

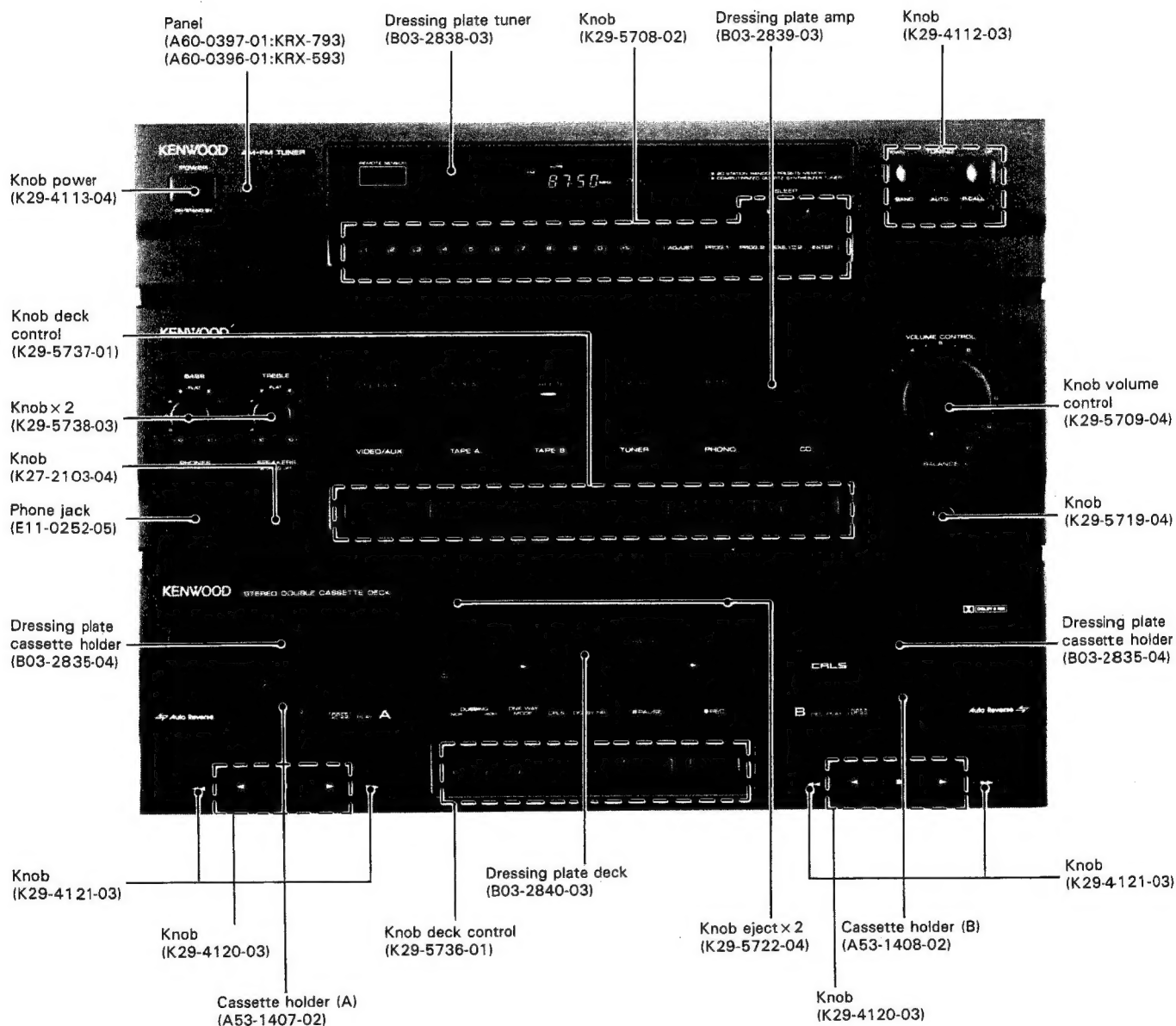
STEREO CASSETTE RECEIVER

KRX-593/793

SERVICE MANUAL

KENWOOD

©1993-2 PRINTED IN JAPAN
B51-4688-00(MC) 2035



Note

Refer to X-722 service manual (B51-4376-00) or X-45/85 service manual (B51-4347-00), if need description about cassette mechanism.

Photo is KRX-793

* Refer to parts list on page 47.

KRX-593/793

CONTENTS

ACCESSORIES/REMOTE CONTROL UNIT	3	PC BOARD	25
CONTROLS AND INDICATORS	4	SCHEMATIC DIAGRAM	31
DISASSEMBLY FOR REPAIR	6	EXPLODED VIEW (MECHANISM)	47
BLOCK DIAGRAM	8	EXPLODED VIEW (UNIT)	48
CIRCUIT DESCRIPTION	9	PARTS LIST	51
ADJUSTMENT	20	SPECIFICATIONS	Back cover
WIRING DIAGRAM	23		

Rear panel

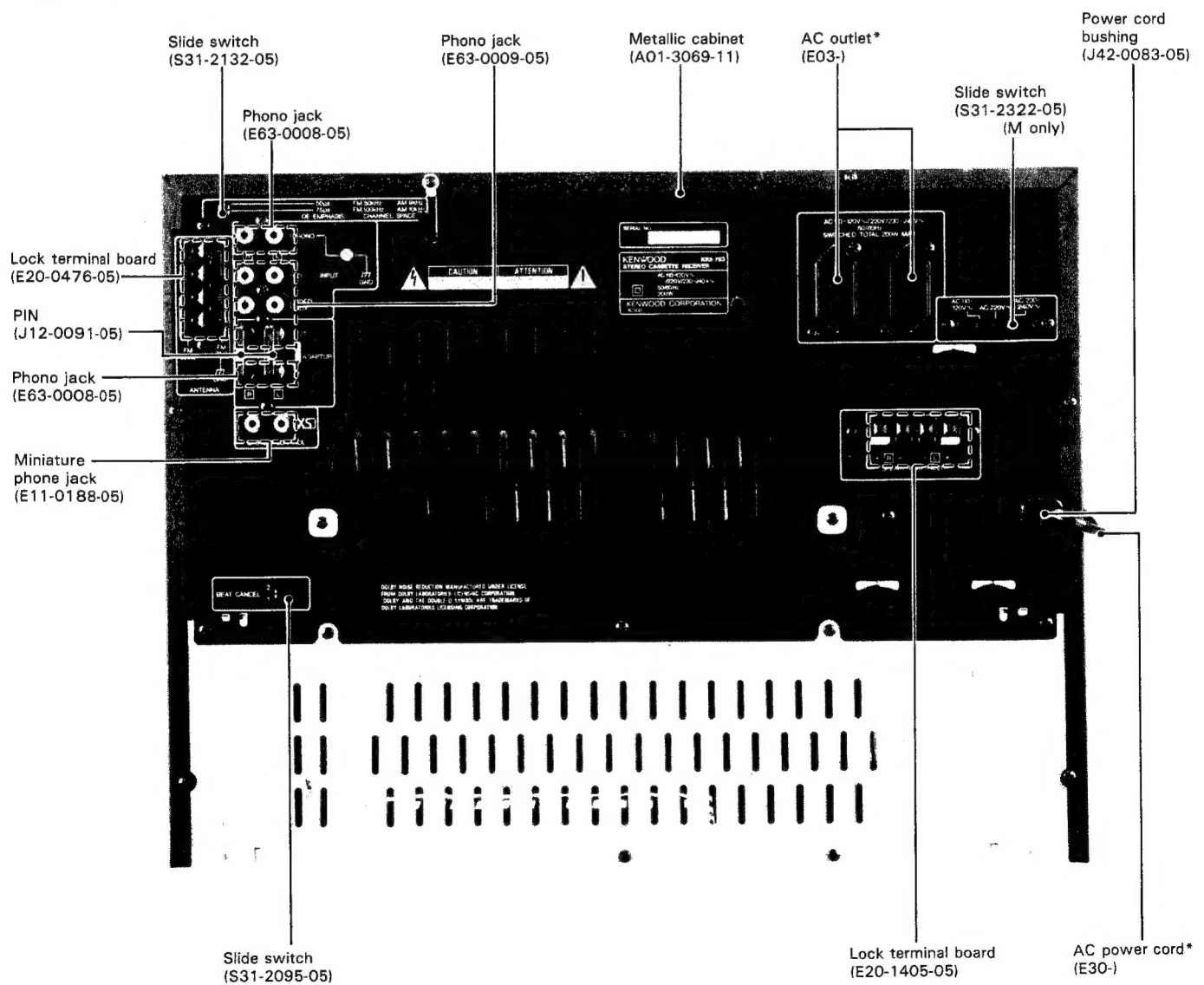


Photo is KRX-793

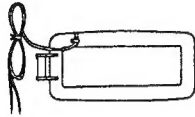
* Refer to parts list on page 47.

KRX-593/793

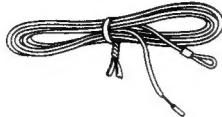
ACCESSORIES/REMOTE CONTROL UNIT

ACCESSORIES

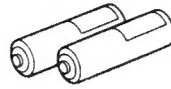
- AM loop antenna..... 1
(T90-0174-05)



- FM indoor antenna.... 1
(T90-0182-15)



- Batteries (R06/AA).... 2



- Remote control unit ... 1
(A70-0592-05)

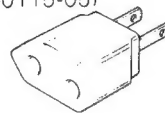


BATTERY COVER
(A09-0112-08)

- Loop antenna stand .. 1
(J19-3583-04)



- AC plug adaptor..... 1
(Except for some areas)
(E03-0115-05)



REMOTE CONTROL UNIT



Cassette Deck A
operation keys

CD player
operation keys

Tuner
operation keys

Input select
keys

POWER key

SLEEP timer key

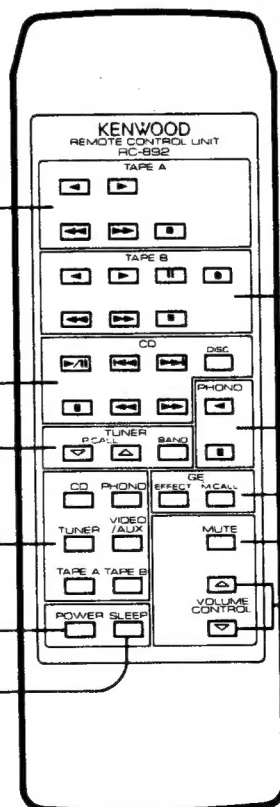
Cassette Deck B
operation keys

Turntable
operation keys

Graphic equalizer
operation keys

MUTE (Muting) key

VOLUME CONTROL
DOWN/UP key

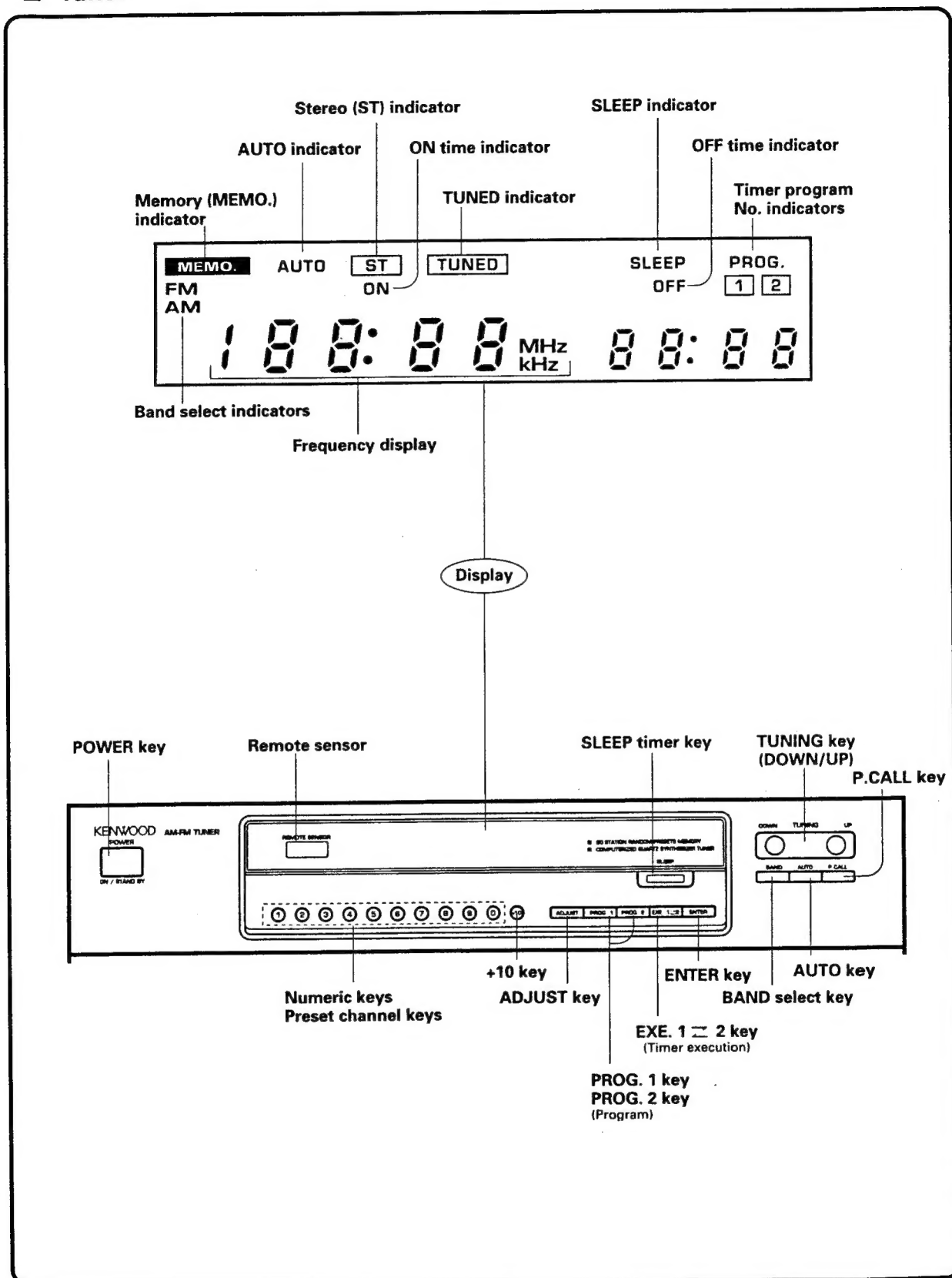


Model name: RC-892
Infrared system

KRX-593/793

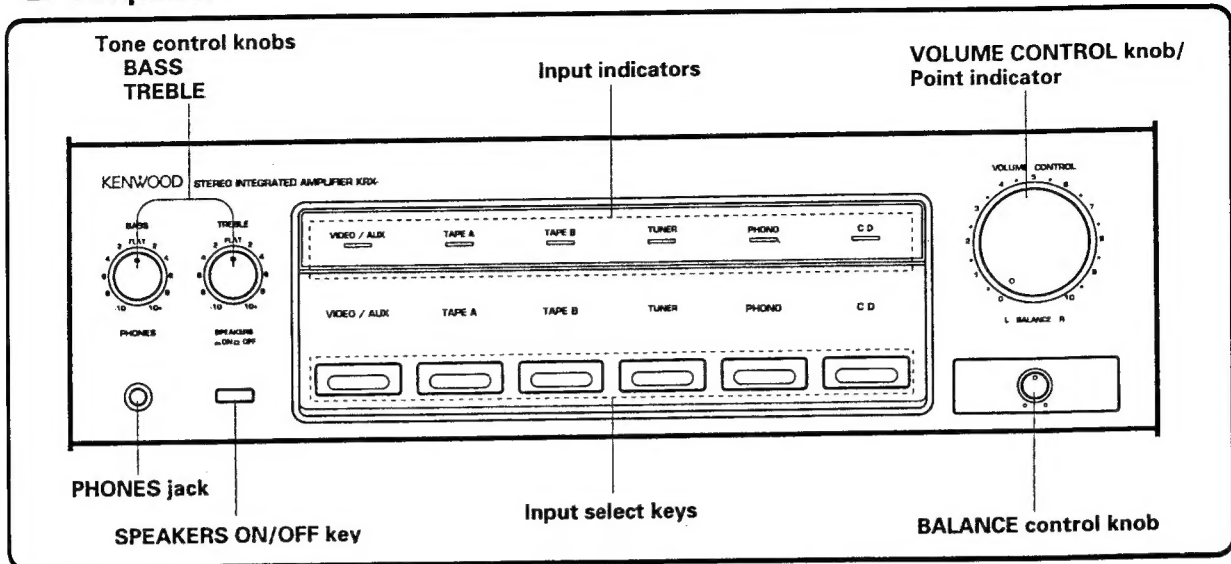
CONTROLS AND INDICATORS

■ Tuner

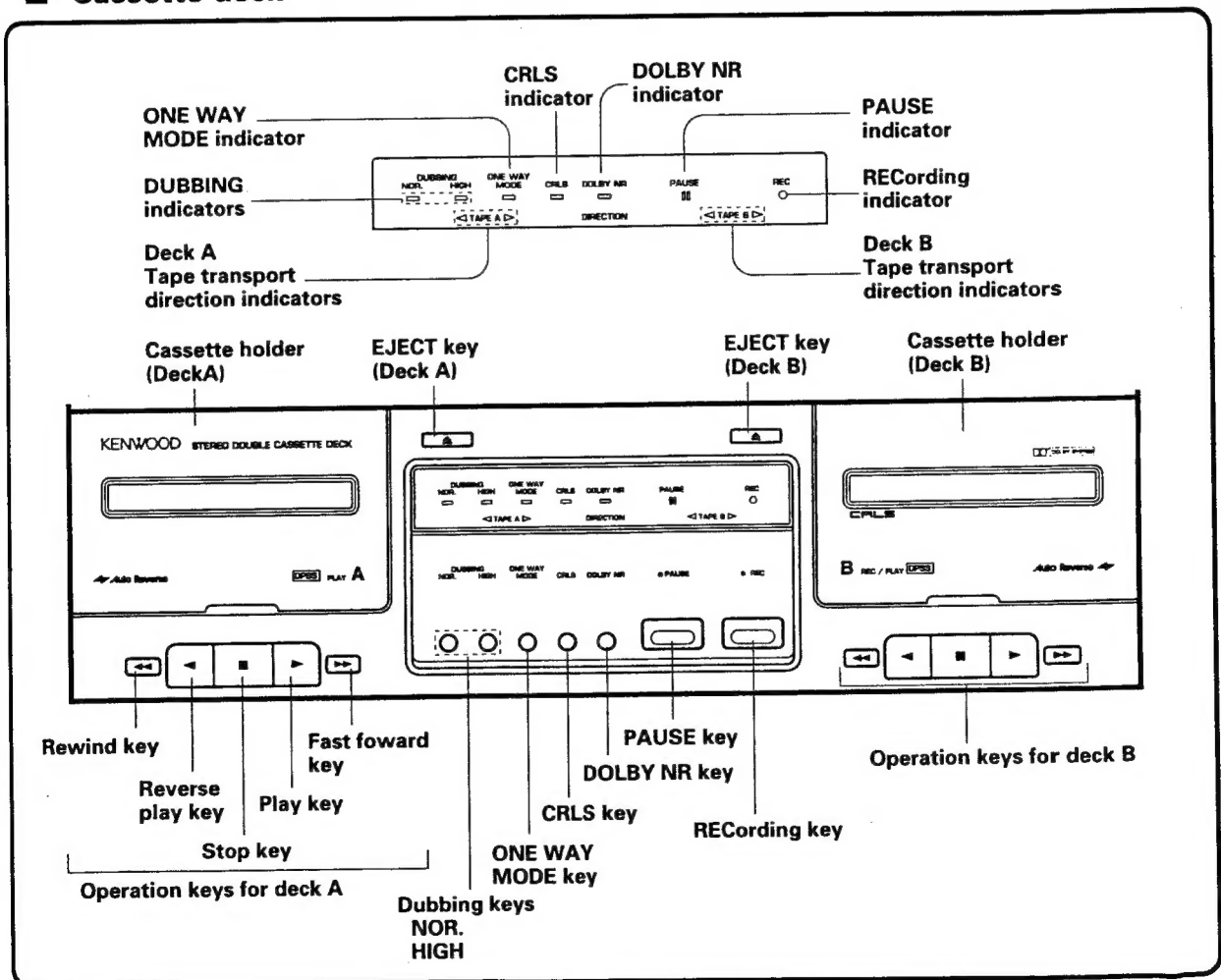


CONTROLS AND INDICATORS

■ Amplifier



■ Cassette deck



KRX-593/793

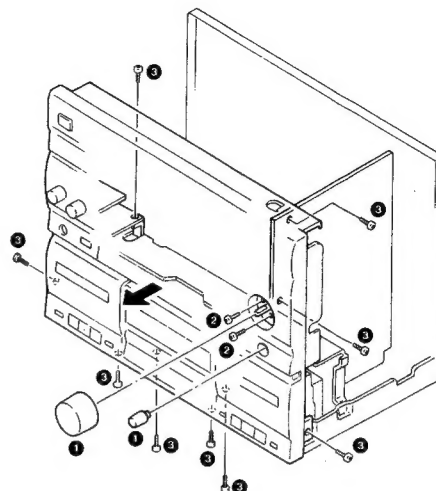
DISASSEMBLY FOR REPAIR

* After removing the case, perform disassembly for repair as follows.

1) Removing the front panel

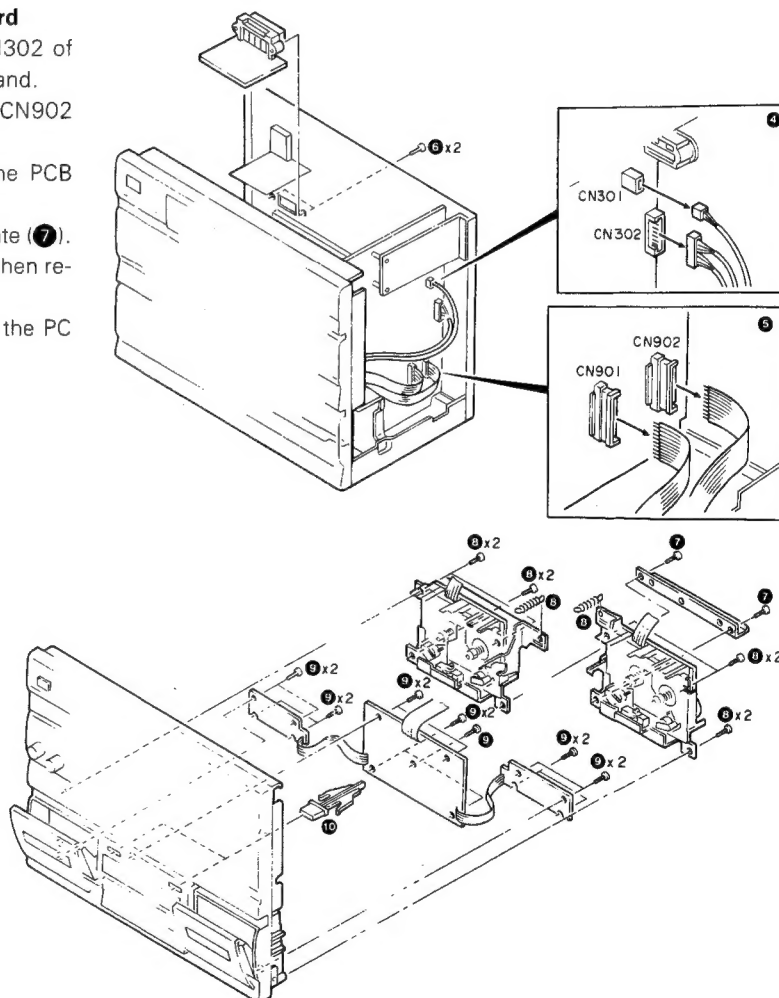
1. Remove the two knobs (1), and two screws (2).
2. Remove the nine screws (3).
3. Remove the front panel in the direction of arrow.

Note: When checking the electrical operation, connect the ground of front panel side with the ground of main side.



2) Removing the cassette mechanism and PC board

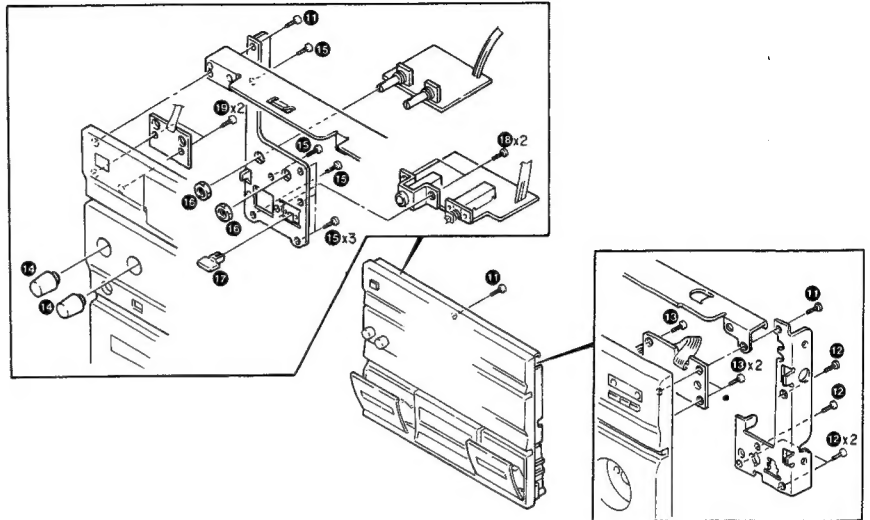
1. Disconnect the head lead from CN301 and CN302 of PCB-REC/PLAYBACK (4), then cut the wire band.
2. Disconnect the control cable from CN901 and CN902 of PCB-REC/PLAYBACK (5).
3. Remove the two screws (6), then remove the PCB SP.JACK.
4. Remove the two screws, then remove the lead plate (7).
5. Remove the eight screws and two springs (8), then remove the cassette mechanism.
6. Remove the thirteen screws (9), then remove the PC boards.
7. Remove the EJECT knobs (10).



DISASSEMBLY FOR REPAIR

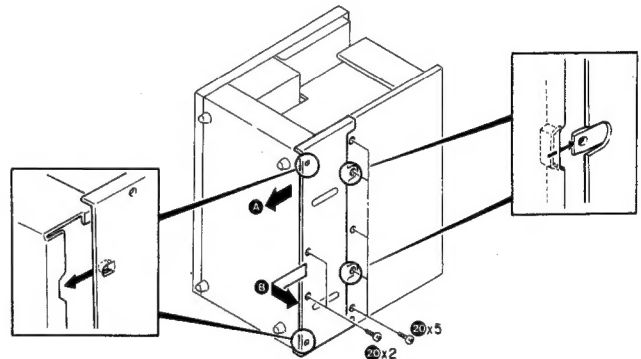
3) Removing the PCB-SW TUNER, PCB-TONE, PCB-PHONE and PCB-SW POWER

1. Remove the three screws (11) of frame.
2. Remove the four screws (12), then remove the right frame.
3. Remove the three screws (13), then remove the PCB-SW TUNER.
4. Remove the two knobs (14) and six screws (15), then remove the left frame.
5. Remove the two nuts (16), then remove the PCB-TONE.
6. Remove the one knob (17) and two screws (18), then remove the PCB-PHONE.
7. Remove the two screws (19), then remove the PCB-SW POWER.



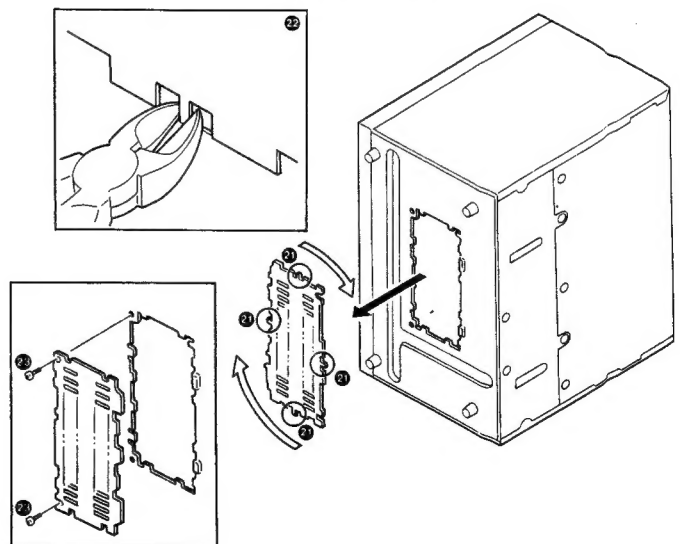
4) Removing the rear panel

1. Remove the seven screws (20).
2. Remove the two hooks while moving the main chassis in the direction of arrow (A), then remove the rear panel in the direction of arrow (B).



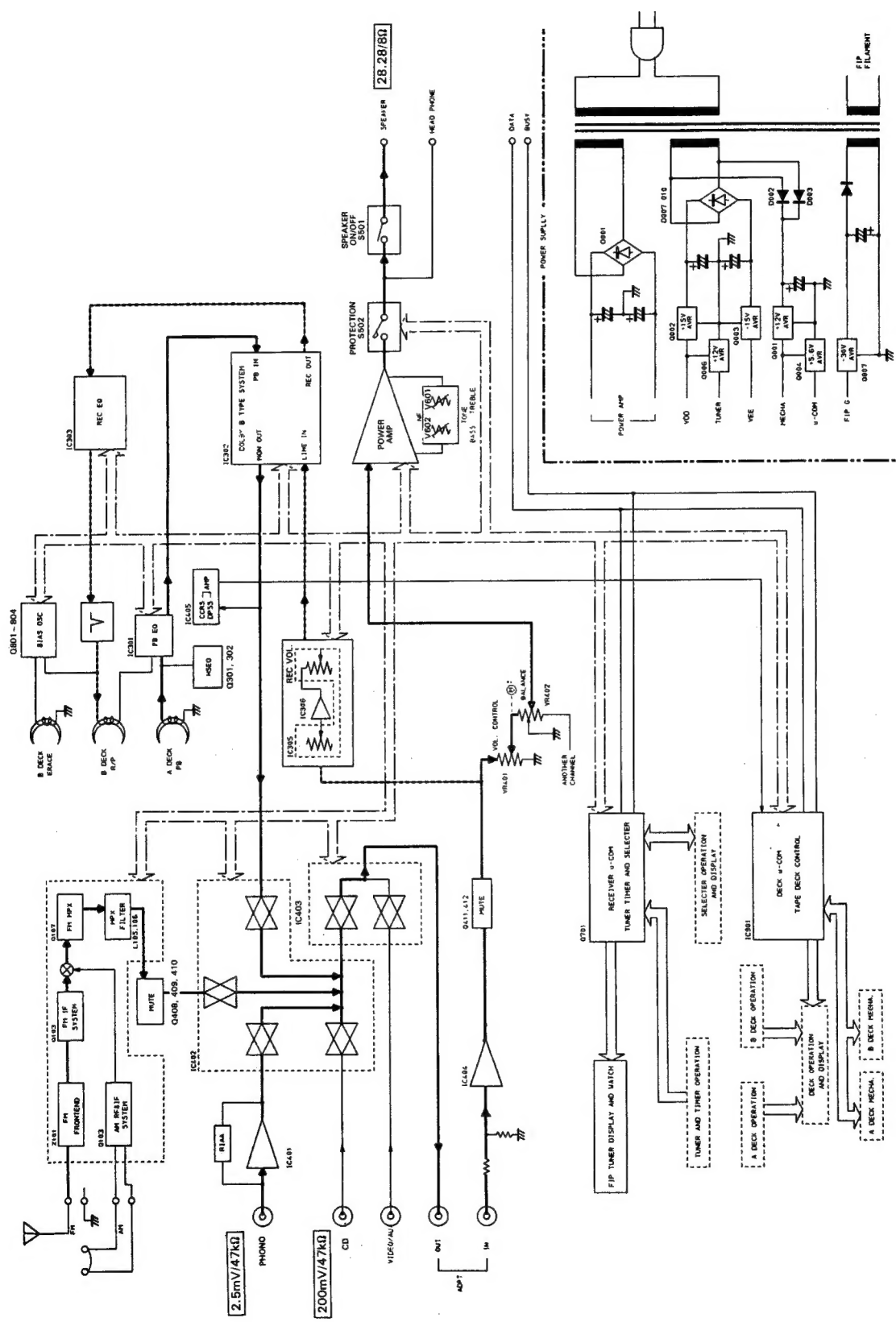
5) Removing the repairing chassis

1. Cut the four parts (21) of the repairing chassis. (22)
2. After repairing, turn the repairing chassis 180 degree, then lock to the main chassis by two screws (M3×8). (23)



KRX-593/793

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

RECEIVER (AMPLIFIER TUNER) SECTION

1. CONDITIONS BY DESTINATION

Destination type	Band	Receiving frequency range	Interchannel space	Intermediate frequency	PLL reference frequency	PLL (LM7001) output port	
						⑧	⑨
M, Y	FM	87.5 ~ 108.0MHz	50kHz/100kHz	+ 10.7MHz	50kHz	H	L
	AM	531 ~ 1602kHz /530 ~ 1610kHz	9kHz/10kHz	+ 450kHz	9kHz/10kHz	L	H
K, P	FM	87.5 ~ 108.0MHz	100kHz	+ 10.7MHz	50kHz	H	L
	AM	530 ~ 1700kHz	10kHz	+ 450kHz	10kHz	L	H
X	FM	87.5 ~ 108.0MHz	50kHz	+ 10.7MHz	50kHz	H	L
	AM	531 ~ 1602kHz	9kHz	+ 450kHz	9kHz	L	H

2. INITIAL STATE

	State	
POWER	OFF	
AMP section	INPUT MUTE	TUNER OFF
TUNER section	BAND	FM
	Receiving frequency	87.5MHz
	TUNING MODE	AUTO
	Preset state	Test frequency
TIMER section	Cloc.	0:00
	Timer program (1) and (2)	ON 0:00
		OFF 0:00
	Execution mode	Non-execution

2-1. Initial state setting

The initial state is set in the following cases:

- 1) When the backup memory is erased.
- 2) When the AC plug is inserted into the wall outlet while holding down the selector TUNER key.

2-2. Test frequency in initial state

The frequency preset for each channel in the initial state is as shown in the table.

Channel	Frequency
1	98.0MHz
2	108.0MHz
3	630kHz
4	990kHz
5	1440kHz
6	1610kHz (1602kHz)*1
7	1700kHz (87.5MHz)*2
8	87.5MHz
9	87.5MHz
10	89.1MHz
11 ~ 20	87.5MHz

*1 1602kHz is set for 9kHz step only.

*2 87.5MHz is set for NARROW band only.

3. TEST MODE

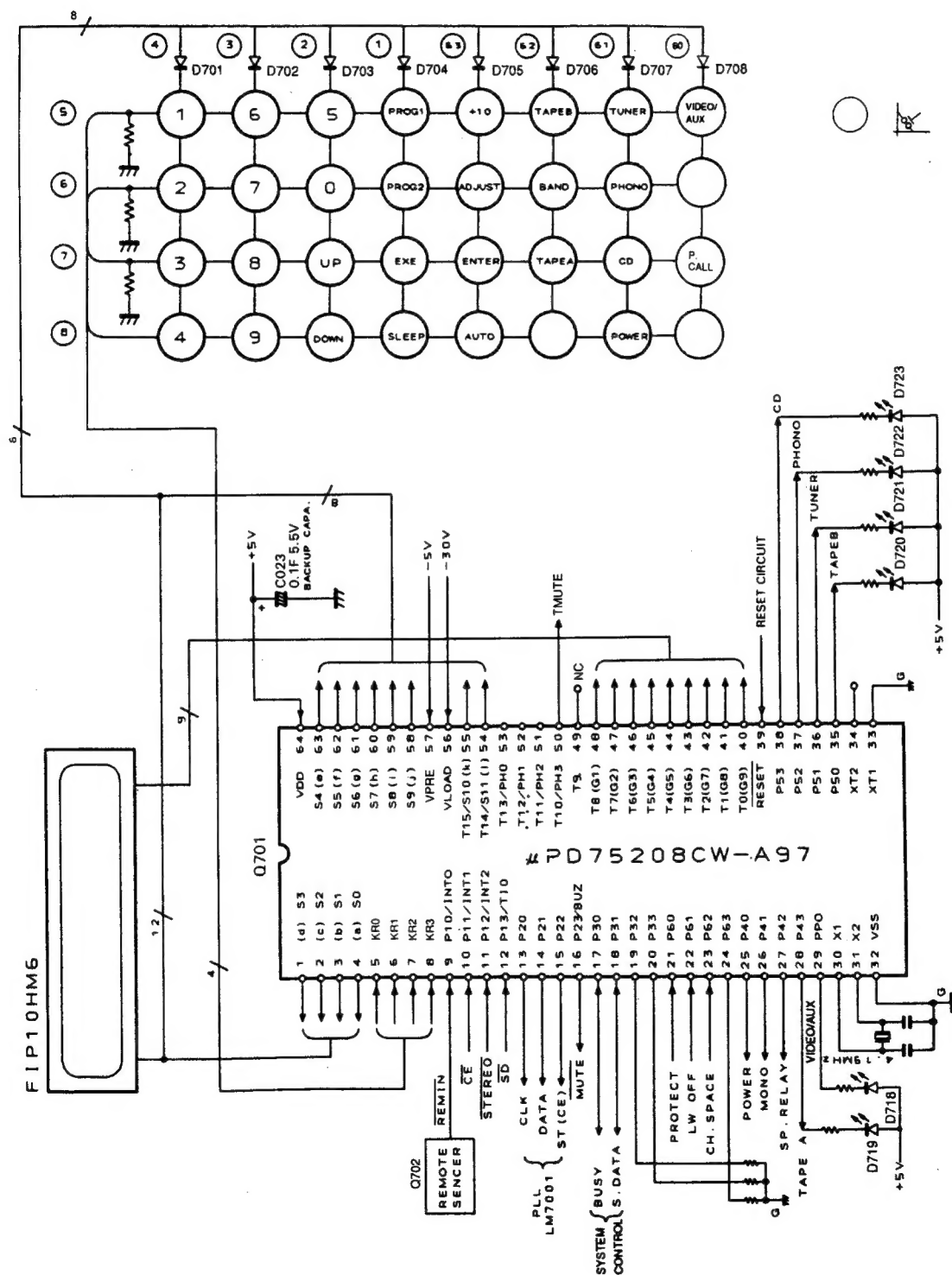
- Operation
Insert the AC plug into the wall outlet while holding down the selector TAPE A key.
- Cancel
Press the PHONO key (lighting cancel only) or pull the AC plug out of the wall outlet (reset) when all indicators are lit with the power on.
- Contents
The power is automatically turned on, and fluorescent display indicators and LED indicators light. The fluorescent display indicators and LED indicators return to the normal state when the PHONO key is pressed with the indicators and power on. The volume control motor drive test can be performed in the test mode with the selector TAPE B key. The volume is increased when this key is pressed with the VOLUME knob at minimum. The volume is decreased after about 14 seconds, then the key is set to off after about 14 seconds.

KRX-593/793

CIRCUIT DESCRIPTION

4. μ PD75208CW-A97 (PCB-DISPLAY X14: Q701) Receiver microprocessor

4-1. Terminal connection diagram



CIRCUIT DESCRIPTION

4-2. Pin Function

Pin No.	Pin Name	I/O	Name	Description
1~4	S3~S0	O	d~a	Segment drive/key scan
5~8	P00~P03	I	KR0~KR3	Key-matrix, key return input
9	P10	I	REMIN	Remote control input Active Low
10	P11	I	CE	Backup detection Active Low
11	P12	I	STEREO	Stereo broadcast detection Active Low
12	P13	I	SD	Station detection Active Low
13	P20	O	CLK	Control PLL IC (LM7001) clock
14	P21	O	DATA	Control PLL IC (LM7001) data
15	P22	O	ST (CE)	Control PLL IC (LM7001) strobe
16	P23	O	MUTE	Mute signal output Active Low
17	P30	I/O	BUSY	System control signal input/output (BUSY)
18	P31	I/O	SDATA	System control signal input/output (DATA)
19, 20	P32, P33			No used GND
21	P60	I	PROTECT	Protection signal input
22	P61	I	LW OFF	Institute band "Long Wave" L: LW H: OFF
23	P62	I	CH-SPACE	Institute "Channel space" (FM) L: 100K H: 50K
24	P63			No used
25	P40	O	POWER	Power relay control H: Power ON
26	P41	O	MONO	Monaural control H: Mono
27	P42	O	SPRLY	Control OUTPUT relay H: Relay ON
28	P43	O	L TAPEA	Input selector LED (TAPE A) Active Low
29	PPO	O	L VIDEO/AUX	Input selector LED (VIDEO/AUX) Active Low
30	X1	I		System clock oscillation (crystal 4.194304 MHz)
31	X2	O		System clock oscillation (crystal 4.194304 MHz)
32	Vss			Power supply (GND)
33, 34	XT1, XT2			No used
35	P50	O	L TAPEB	Input selector LED (TAPE B) Active Low
36	P51	O	L TUNER	Input selector LED (TUNER) Active Low
37	P52	O	L PHONO	Input selector LED (PHONO) Active Low
38	P53	O	L CD	Input selector LED (CD) Active Low
39	RESET	I		Reset L: RESET
40~48	T0~T8	O	9G~1G	Grid control
49	T9			No used
50	PH3	O	T MUTE	TUNER MUTE drive
51~53	PH2~PH0			No used
54, 55	S11, S10	O	l, k	Segment drive/key scan
56	VLOAD			Pull-down fro FL (-30 V)
57	VPRE			Predriver for FL
58~63	S9~S4	O	j~e	Segment drive/key scan
64	VDD			Power supply (+5 V)

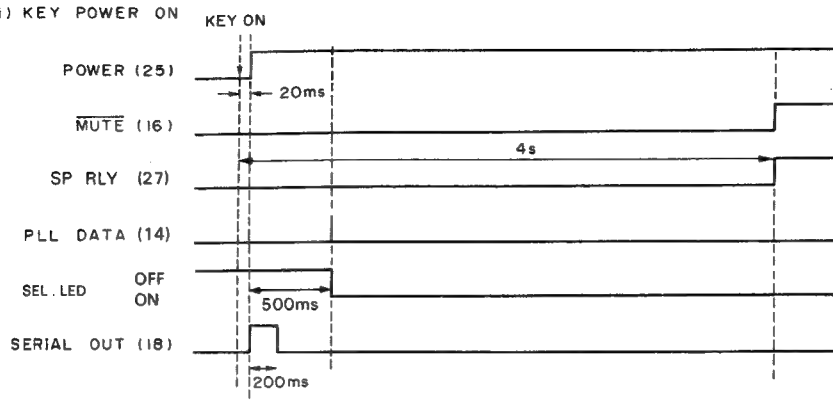
KRX-593/793

CIRCUIT DESCRIPTION

4-3. Timing chart

(1) POWER ON

i) KEY POWER ON

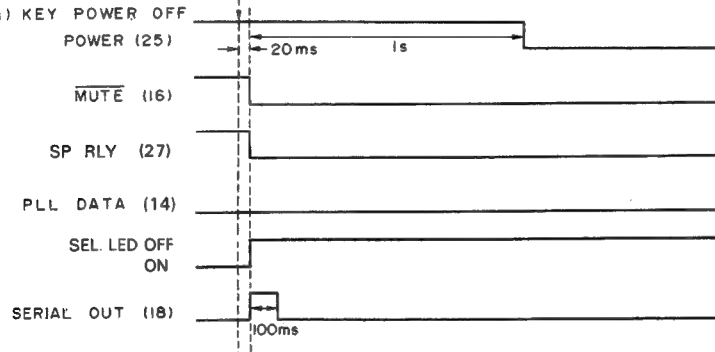


ii) REMOCON POWER ON



(2) POWER OFF

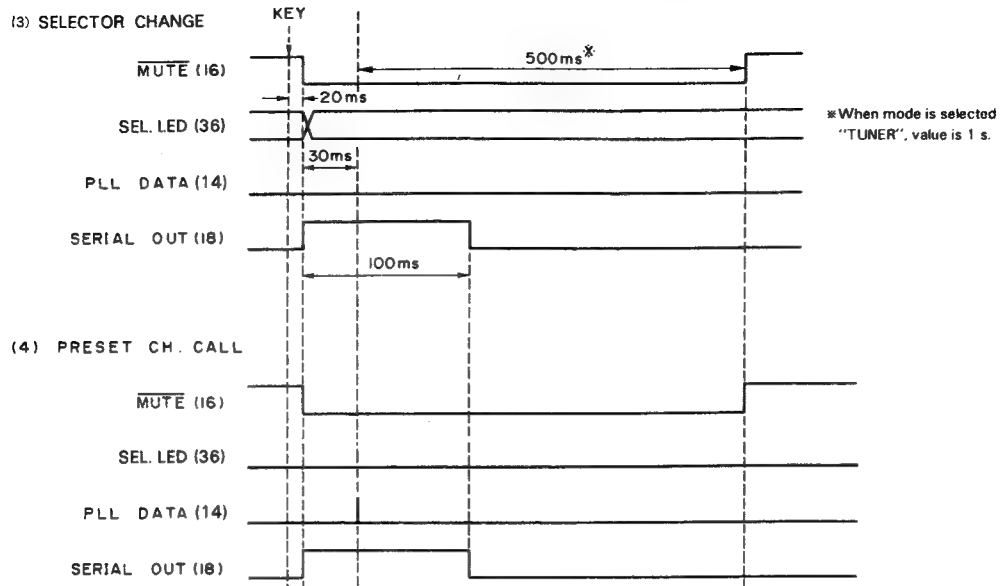
i) KEY POWER OFF



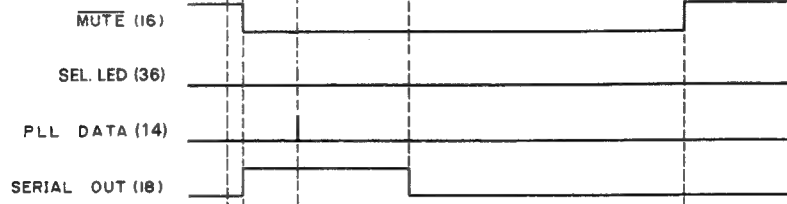
ii) REMOCON POWER OFF



CIRCUIT DESCRIPTION

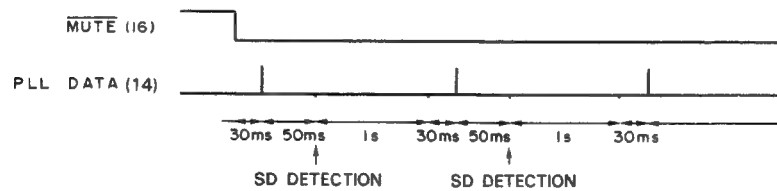


(4) PRESET CH. CALL

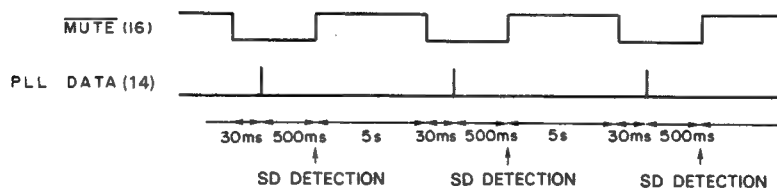


(5) PRESET CH. SCAN

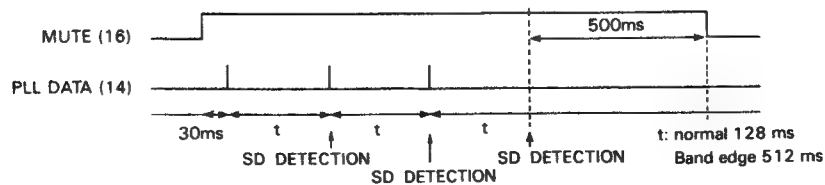
i) No station



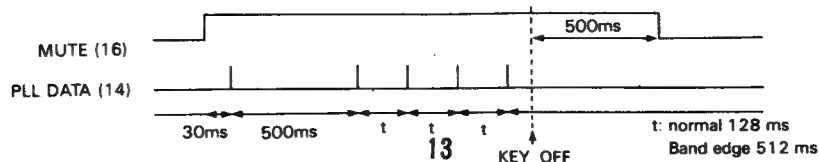
ii) Station



(6) AUTO TUNING



(7) MANUAL TUNING



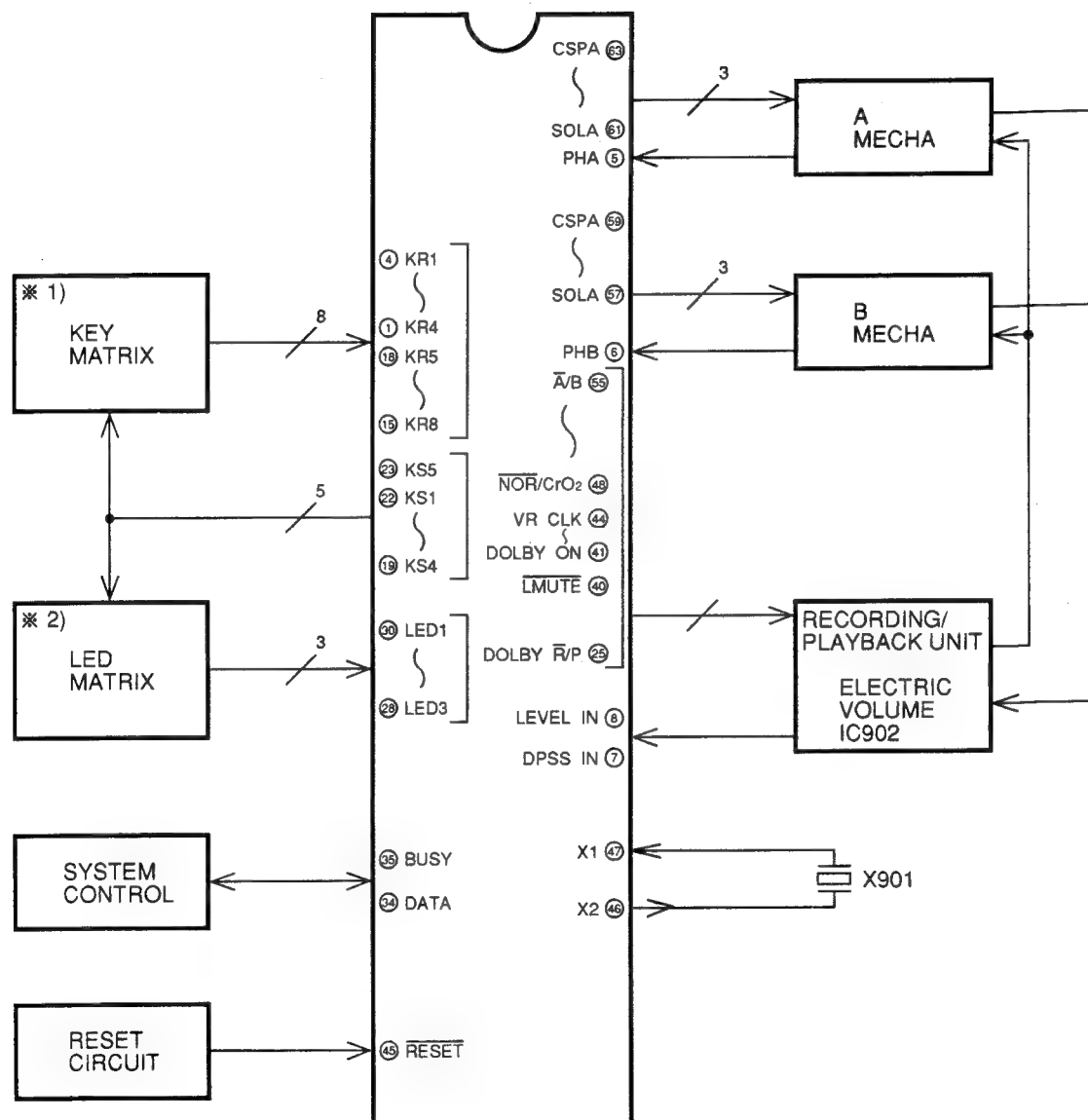
KRX-593/793

CIRCUIT DESCRIPTION

DECK SECTION

5. DECK MICROPROCESSOR: μ PD75112CW-149 (PCB-REC/PLAYBACK X28: IC901)

5-1. Terminal connection diagram



CIRCUIT DESCRIPTION

5-2. Key matrix (*1)

PIN No. of IC901		②②	②①	②①	②①	①⑨	②③
		KS1	KS2	KS3	KS4	KS5	
④	KR1	ONEWAY	—	B CrO ₂	B ◀◀	NDUB	
③	KR2	A ▶	A ▶▶	B ●	B ◀	HDUB	
②	KR3	A ◀	DOLBY	B	B ▶▶	—	
①	KR4	A ■	A ◀◀	B ■	B ▶	CRLS	
⑱	KR5	A PLAY	—	B PLAY	—	TEST 1	
⑰	KR6	A PACK	—	B PACK	—	TEST 2	
⑯	KR7	A CrO ₂	—	B INHFB	—	—	
⑮	KR8	—	—	B INHRB	—	—	

5-3. LED matrix (*2)

PIN No. of IC 901		②②	②①	②①	②①	①⑨	②③
		KS1	KS2	KS3	KS4	KS5	
③①	LED1	DOLBY	NDUB	HDUB	CRLS	—	
②⑨	LED2	—	PAUSE	REC	B FWD	ONEWAY	
②⑧	LED3	A RVS	A FWD	B RVS	—	—	

5-4. Initial Setting

When the power cord is disconnected, then connected again, initial setting is entered.

Item	Setting
DOLBY R/P	PLAY
DOLBY ON/OFF	OFF
R/P	PLAY
A/B	A
EQ SPEED	NORMAL
REC MUTE	ON
LINE MUTE	ON
MUTE	ON
BIAS	OFF
NOR/CrO ₂	NORMAL
NOR/CrO ₂	NORMAL
SELECTOR	TUNER
ELECTROMOTIVE VOLUME	- 15 dB

KRX-593/793

CIRCUIT DESCRIPTION

5-5. Pin Function

Pin No.	Pin name	I/O	Symbol	Function
1	P13/INT3	I	KR4	Key return input H : SW OFF L : SW ON
2	P12/INT2	I	KR3	Key return input H : SW OFF L : SW ON
3	P11/INT1	I	KR2	Key return input H : SW OFF L : SW ON
4	P10/INT0	I	KR1	Key return input (Mechanism switch input) H : SW OFF L : SW ON
5	PTH03	I	PHA	Mechanism A rotation detection sensor input
6	PTH02	I	PHB	Mechanism B rotation detection sensor input
7	PTH01	I	DPSS IN	Section-between-tunes signal input H : With tune L : Without tune
8	PTH00	I	LEVEL IN	Meter signal input
9	TIO	I	NC	No use (GND)
10	TI1	I	NC	No use (GND)
11	P23	O	NC	No use (GND)
12	P22/PCL	O	M. VOL. UP	Motor volume UP signal
13	P21/PTO1	O	M. VOL. DOWN	Motor volume DOWN signal
14	P20/PTO0	O	NC	No use (OPEN)
15	P03/SI	I	KR8	Mechanism switch input (L: SW ON).
16	P02/SO	I	KR7	Mechanism switch input (L: SW ON).
17	P01/SCK	I	KR6	Mechanism switch input (L: SW ON).
18	P00/INT4	I	KR5	Mechanism switch input (L: SW ON).
19	P123	O	KS4	Key scan output H : OFF L : Scan
20	P122	O	KS3	Mechanism switch output (key scan output) H : OFF L : Scan
21	P121	O	KS2	Key scan output H : OFF L : Scan
22	P120	O	KS1	Mechanism switch output (key scan output) H : OFF L : Scan
23	P133	O	KS5	Key scan output H : OFF L : Scan
24	P132	O	NC	No use (OPEN)
25	P131	O	DOLBY R/P	Dolby R/P selection H : PLAY L : REC
26	P130	O	NC	No use (OPEN)
27	P143	O	NC	No use (OPEN)
28	P142	I	LED 3	LED control H : ON L : OFF
29	P141	I	LED 2	LED control H : ON L : OFF
30	P140	I	LED 1	LED control H : ON L : OFF
31	V _{PP}	—	NC	No use
32	V _{DD}	—	V _{DD}	Connected to +5 V H : OFF L : ON
33	P33	O	DECK/OTHER	Deck mute control L : ON

CIRCUIT DESCRIPTION

Pin No.	Pin name	I/O	Symbol	Function
34	P32	I/O	DATA	System control signal I/O (DATA)
35	P31	I/O	BUSY	System control signal I/O (BUSY)
36	P30	O	SELDA	Selector IC control (A)
37	P43	O	SELDB	Selector IC control (B)
38	P42	O	NC	No use
39	P41	O	SELDC	Selector IC control (C)
40	P40	O	LMUTE	Line mute control H : OFF L : ON
41	P53	O	DOLBY ON/OFF	DOLBY ON/OFF control H : ON L : OFF
42	P52	O	VR ST	Electronic volume strobe signal output
43	P51	O	VR DATA	Electronic volume serial data output
44	P50	O	VRCLK	Electronic volume serial clock output
45	RESET	I	RESET	Reset input H : Normal L : Reset
46	X2	O	—	Ceramic OSC connection pin f = 4.19 MHz
47	X1	I	—	Ceramic OSC connection pin f = 4.19 MHz
48	P63	O	NOR/CrO ₂	NOR/CrO ₂ selection L : NORMAL H : CrO ₂
49	P62	O	NOR/CrO ₂	NOR/CrO ₂ selection H : NORMAL L : CrO ₂
50	P61	O	EQ SPEED	Deck B EQ control H : High speed L : Normal
51	P61	O	BR MUTE	Deck B recording mute control H : OFF L : ON
52	P73	O	B BIAS	Deck B bias ON/OFF H : OFF L : ON
53	P72	O	NC	No use (OPEN)
54	P71	O	R/P	Deck B R/P selection H : REC L : PLAY
55	P70	O	A/B	Playback EQ A/B selection H : B L : A
56	P83	O	NC	No used
57	P82	O	SOLB	Deck B solenoid control H : Play or recording L : Others
58	P81	O	CPMB	Deck B capstan motor control H : ON L : OFF
59	P80	O	CSPB	Deck B capstan motor speed control H : Normal speed L : High speed
60	P93	O	NC	No used
61	P92	O	SOLA	Deck A solenoid control H : ON L : OFF
62	P91	O	CPMA	Deck A capstan motor control H : ON L : OFF
63	P90	O	CSPA	Deck A capstan motor speed control H : Normal speed L : High speed
64	Vss	—	Vss	Connected to GND

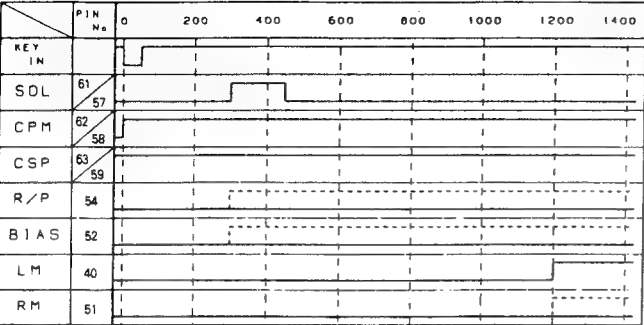
KRX-593/793

CIRCUIT DESCRIPTION

5-6. Timing chart

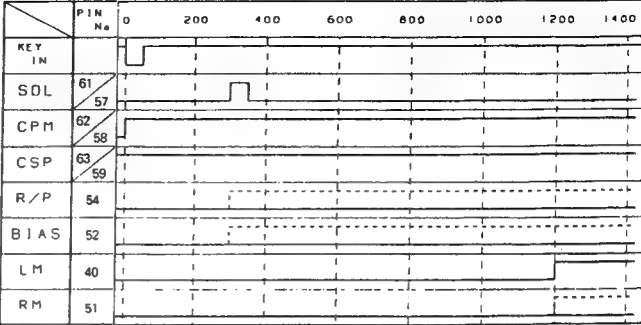
STOP TO FWD PLAY/REC(---)

UNIT μ S



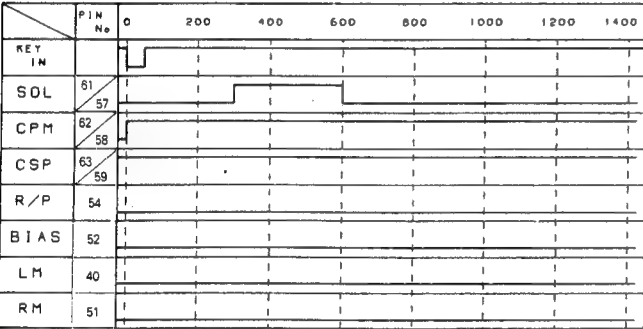
STOP TO RVS PLAY/REC(---)

UNIT μ S



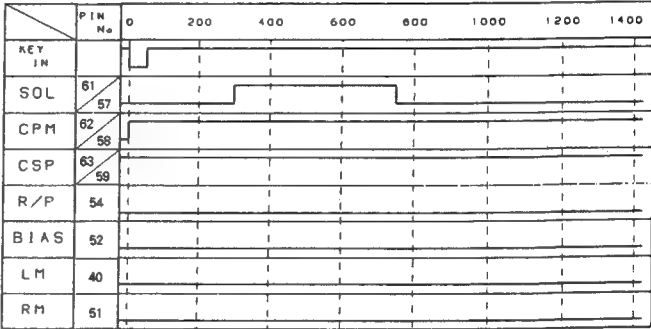
STOP TO FF

UNIT μ S



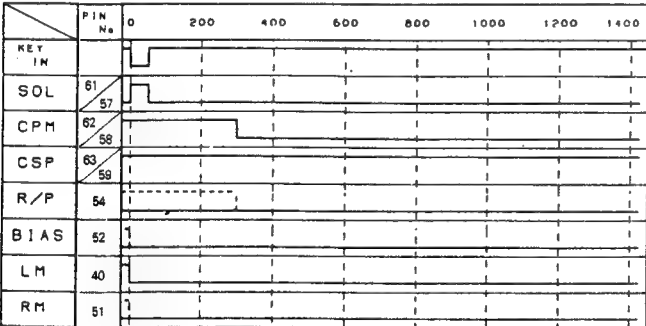
STOP TO RWD

UNIT μ S



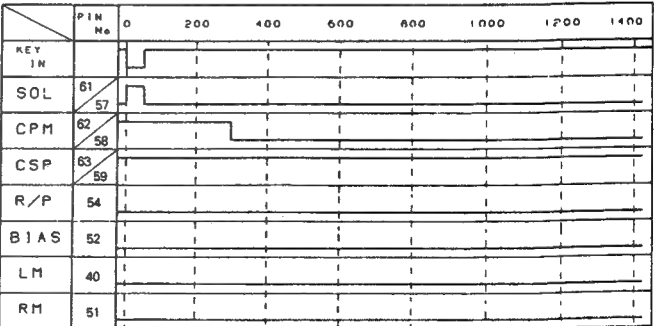
PLAY/REC(---) TO STOP

UNIT μ S



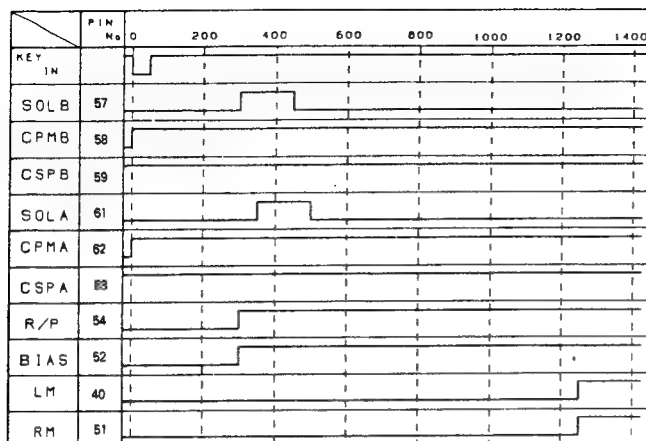
FF/RWD/CUE/RVW TO STOP

UNIT μ S

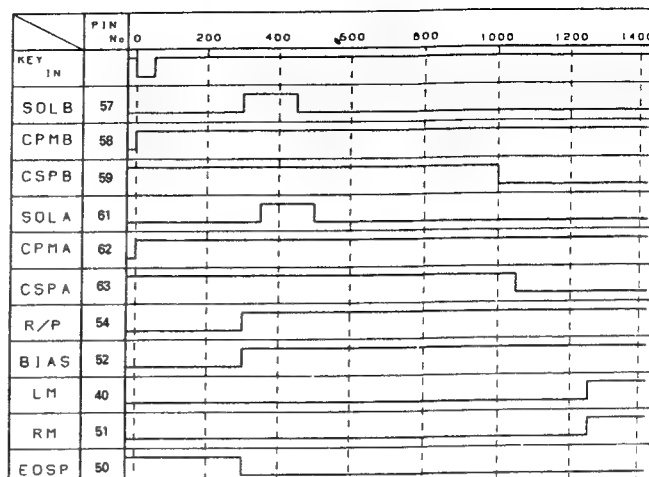


CIRCUIT DESCRIPTION

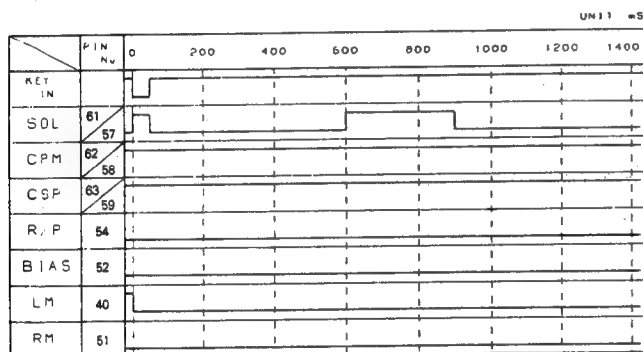
STOP TO NOR SPEED DUBBING



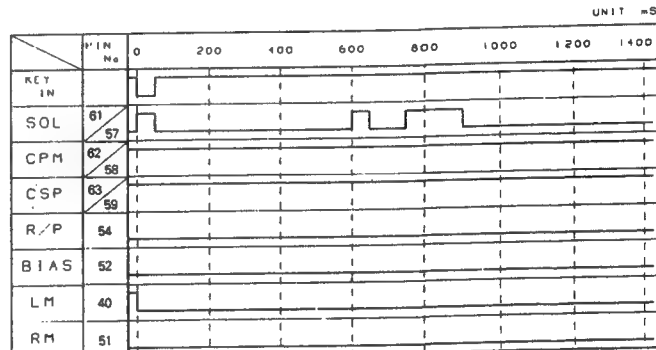
STOP TO HI SPEED DUBBING



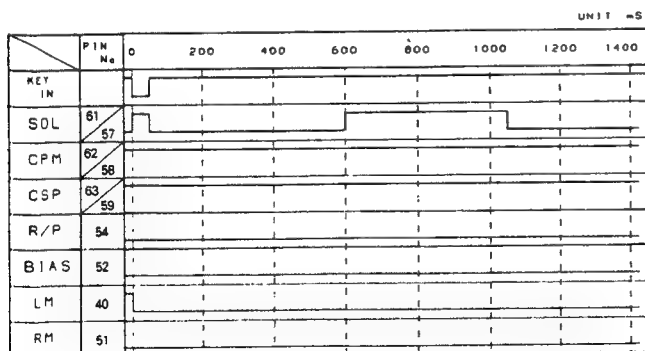
FWD PLAY TO CUE



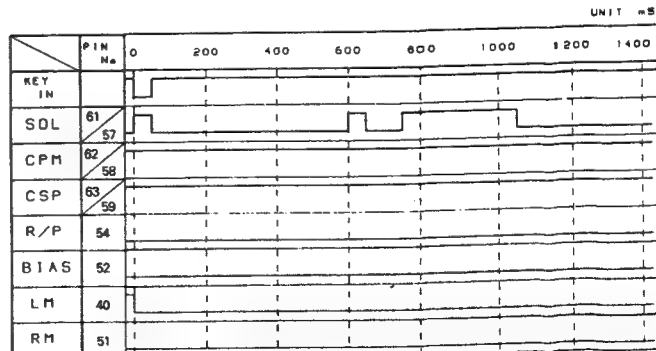
RVS PLAY TO CUE



FWD PLAY TO REVEW



RVS PLAY TO REVEW

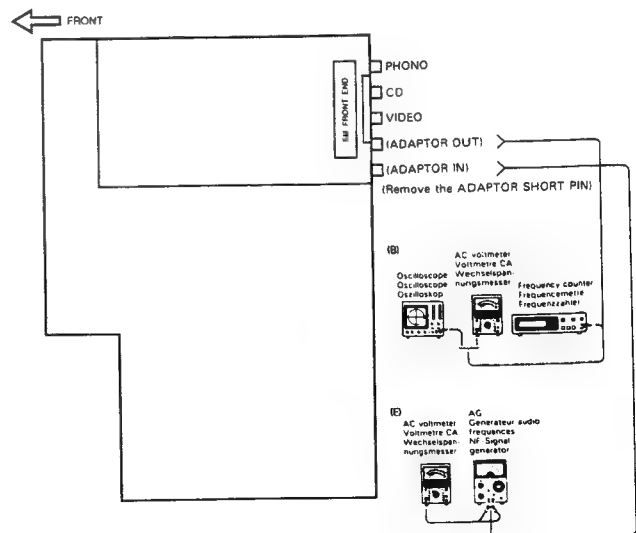
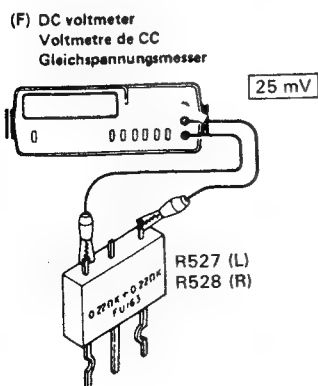
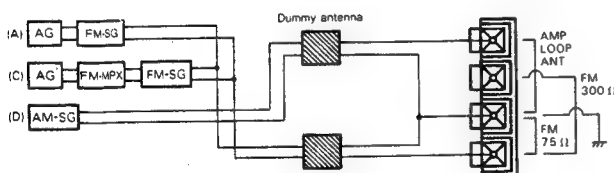


KRX-593/793

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION (PCB-TUNER) SELECTOR: FM							
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ± 75 kHz dev 60dB μ (ANT input)	Connect a DC voltmeter to TP1.	AUTO or MONO 98.0MHz	L103	0V \pm 20mV	(a)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ± 68.25 kHz dev Selector: L or R Pilot: ± 6.75 kHz dev 60dB μ (ANT input)	(B)	AUTO 98.0MHz	T171 (FRONTEND ;Z101)	Minimum distortion. (L or R)	
3	TUNING LEVEL	(A) 98.0MHz 0dev 18dB μ (ANT input)	(B)	AUTO or MONO 98.0MHz	R127	Adjust R127 and stop at the point where "TUNED" display of Z701(PCB-DISPLAY) goes on.	
AM SECTION (PCB-TUNER) SELECTOR: AM							
(1)	OSC	(D) 530(531)kHz	Connect a DC voltmeter between TP2 and GND.	530(531)kHz	L102	1.2V \pm 50mV	(b)
(2)	SENSITIVITY	(D) 600(603)kHz	(B)	600(603)kHz	L101	Maximum output	
(3)	TUNING LEVEL	(D) 1000(999)kHz 26dB μ (ANT input)	(B)	1000(999)kHz	R126	Adjust R126 and stop at the point "TUNED" display of Z701(PCB-DISPLAY) goes on.	
AUDIO SECTION (PCB-MAIN)							
<1>	IDLE CURRENT	—	(F) Connect a DC voltmeter across R527(L) R528(R)	volume:0	V501(L) V502(R)	25mV	(C)

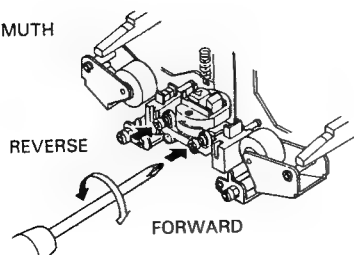
Connection



ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
CASSETTE DECK SECTION						TAPE:NORMAL, DOLBY:OFF, INPUT:CD	0dBs=0.775V
I REC/PLAY HEAD							
[1]	DEMAGNETIZATION	—	—	POWER: OFF Remove the cassette door.	REC/PLAY head	Demagnetize the REC/PLAY head with a head demagnetizer.	
[2]	CLEANING	—	—	PLAY	REC/PLAY head, erase head, capstan, and pinch roller.	Clean the REC/PLAY head erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
[3]	AZIMUTH	TCC-153 MTT-114N 10kHz,-10dB	(B)	PLAY	Azimuth adjustment screw	Maximum output.	(d)
II PC BOARD (PCB-REC/PLAYBACK)							
(1)	TAPE SPEED (HI SPEED)	TCC-110 MTT-111N 3kHz	(B)	Connect between TP4(GND) and TP5(A) or TP6(B). PLAY	DECK A: VR903 DECK B: VR901	Adjust the tape speed so that a 6kHz signal is produced at the center of the tape.	
(2)	TAPE SPEED (NORMAL)	TCC-110 MTT-111N 3kHz	(B)	PLAY	DECK A: VR904 DECK B: VR902	Adjust the tape speed so that a 3kHz signal is produced at the center of the tape.	
III PC BOARD (PCB-REC/PLAYBACK)							
< 1 >	PLAYBACK LEVEL	MTT-150 400Hz	(B)	PLAY	DECK A: VR301(L) VR302(R) DECK B: VR303(L) VR304(R)	Output level: -6.0dBs	
		MTT-212CN 315Hz				Output level: -9.0dBs	
< 2 >	BIAS CURRENT	(E) 1kHz,-29dBs 10kHz,-29dBs	(B)	The monitor output becomes -29dBs at 1kHz. then record and playback signal of 1kHz and 10kHz in alternation.	VR801(L) VR802(R)	Record 1kHz and 10kHz in alternation and adjust the variable resistors which control the bias current so that the same playback level is obtained.	
< 3 >	RECORD LEVEL	(E) 1kHz,-9dBs	(B)	Record playback a 1kHz signal under the conditions set in <2>.	VR305(L) VR306(R)	Adjust the variable resistors so that a playback level of -9dBs is obtained.	

(d) AZIMUTH



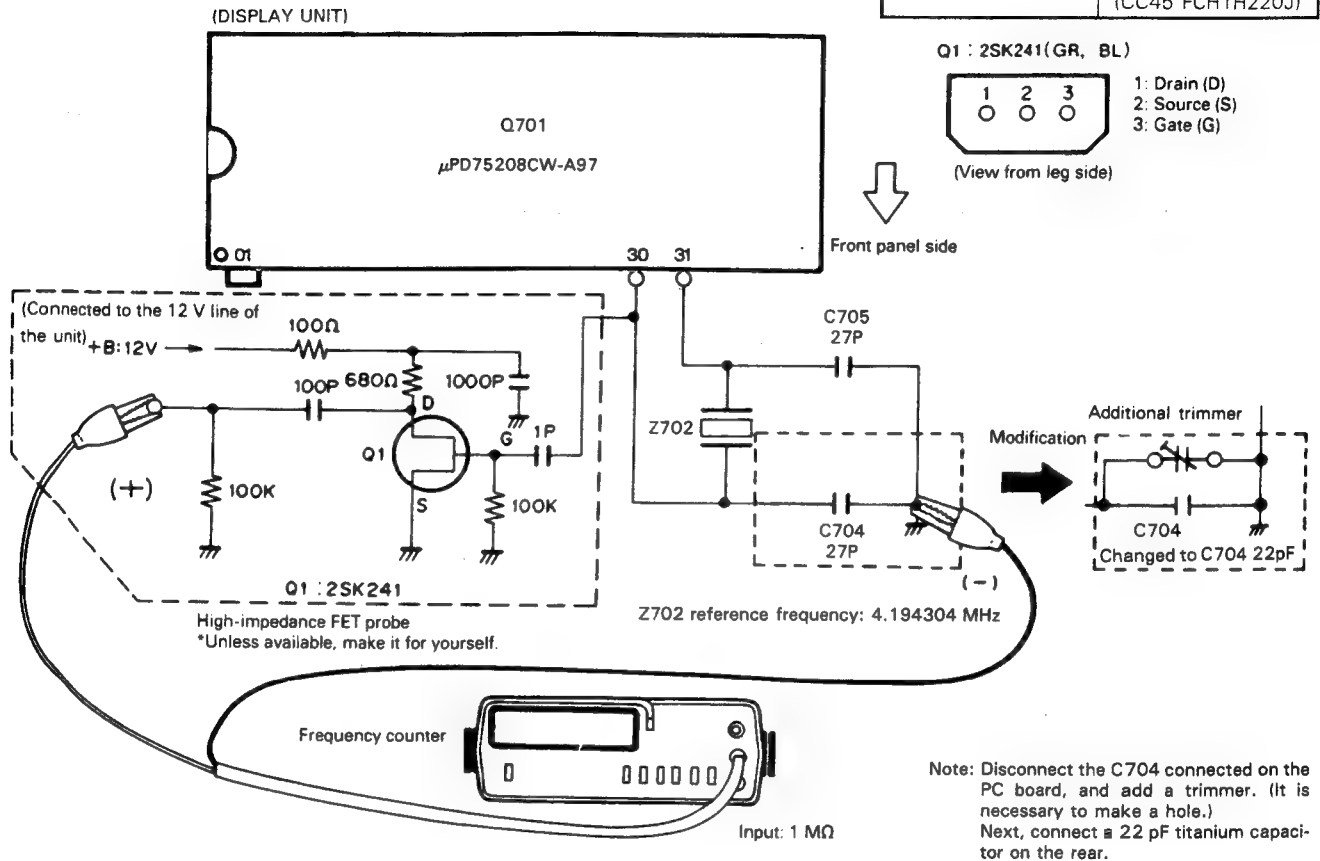
KRX-593/793

ADJUSTMENT

SERVICE POINT

1. Timer accuracy improvement method:

Capacitance value of additional trimmer	C704 constant modification
20 pF (red) C05-0303-05	22 pF titanium capacitor (CC45 FCH1H220J)



The timer accuracy is within ± 40 seconds for one month as a standard. For improved timer accuracy, perform the following procedure:

- (1) If the timer accuracy is without the standard, replace Z702 (L77-1176-05) near the microprocessor IC on a printed board.
- (2) Even if within the standard, for further improved accuracy, change the constant of C704 in the crystal oscillation circuit of microprocessor Q701 and add a trimmer.

Adjustment method (Use a high-impedance buffer to avoid frequency deviation.)

Connect a high-accuracy frequency counter to pin 30 by way of the FET probe shown above, and adjust the frequency fully up to the first digit of the Z702 reference frequency 4,194,304 Hz. (Connect the negative (–) side of the frequency counter to the GND side of C704.)

Notes: 1. As regards the positive (+) side of the frequency counter, arrange as short a distance as possible between pin 30 of Q701 and 1P of the input stage of the FET probe.

2. Perform the trimmer adjustment after energization of around 10 minutes at normal temperature.

- (3) Monthly error calculation method

For example, when the result of measurement at pin 30 by the frequency counter is $f_x = 4,194,275$ Hz...

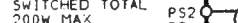
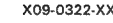
$$\text{Monthly error [sec]} = \frac{f_x - f_0}{f_0} \times \text{the number of seconds taken for one month}$$

$$= \frac{4,194,275 - 4,194,304}{4,194,304} \times (60 \times 60 \times 24 \times 30)$$

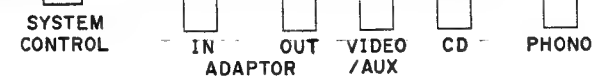
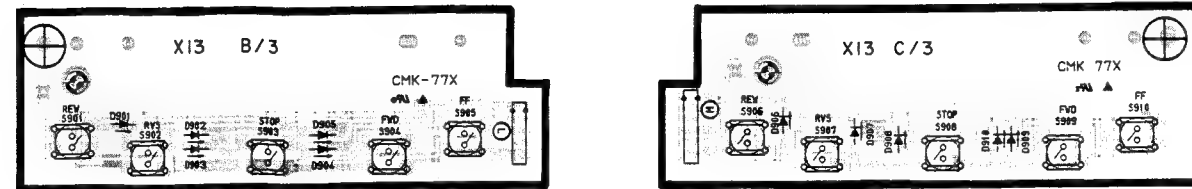
$$= -17.9 \text{ [sec]}$$

* A minus value as the monthly error means a loss.

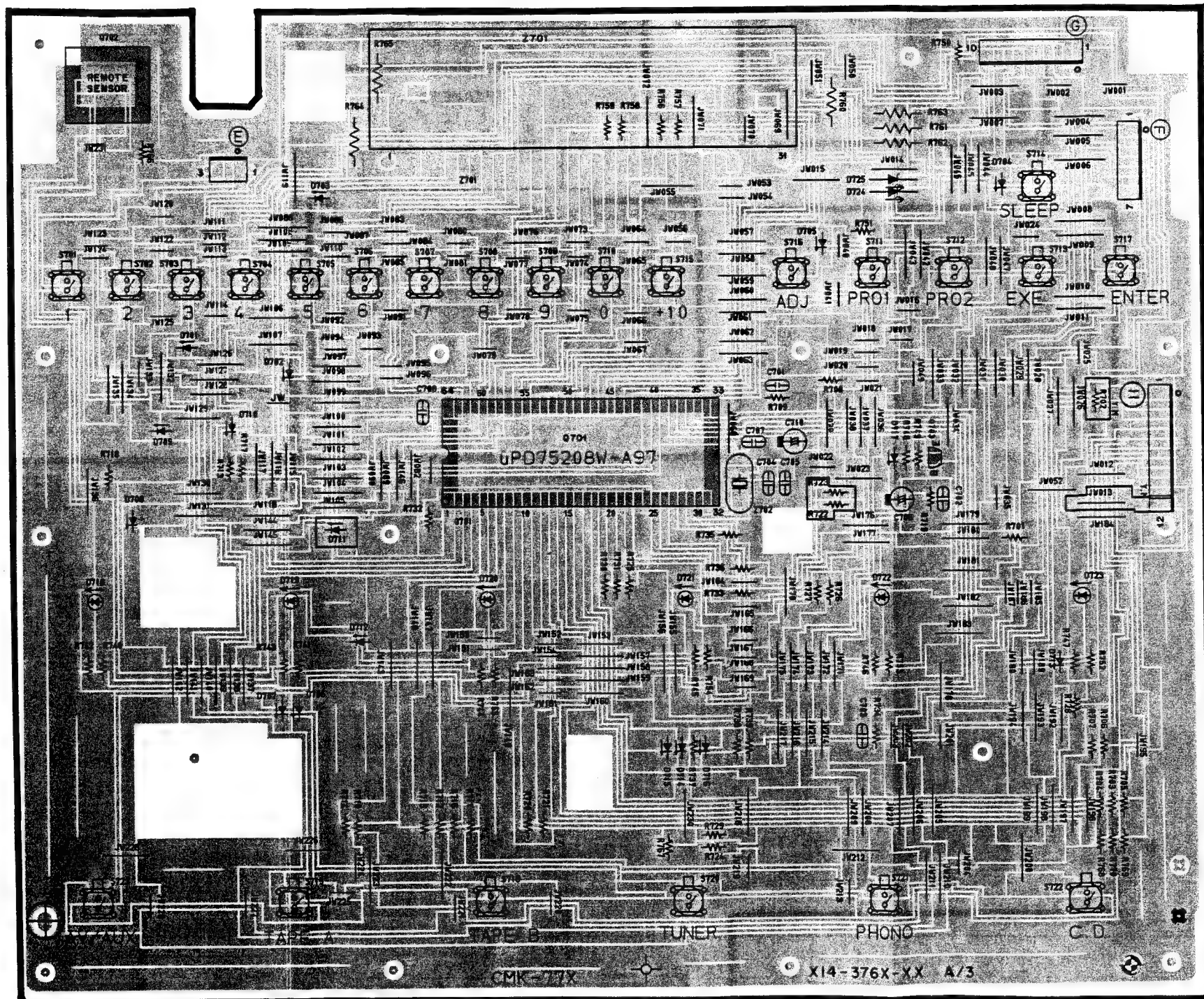
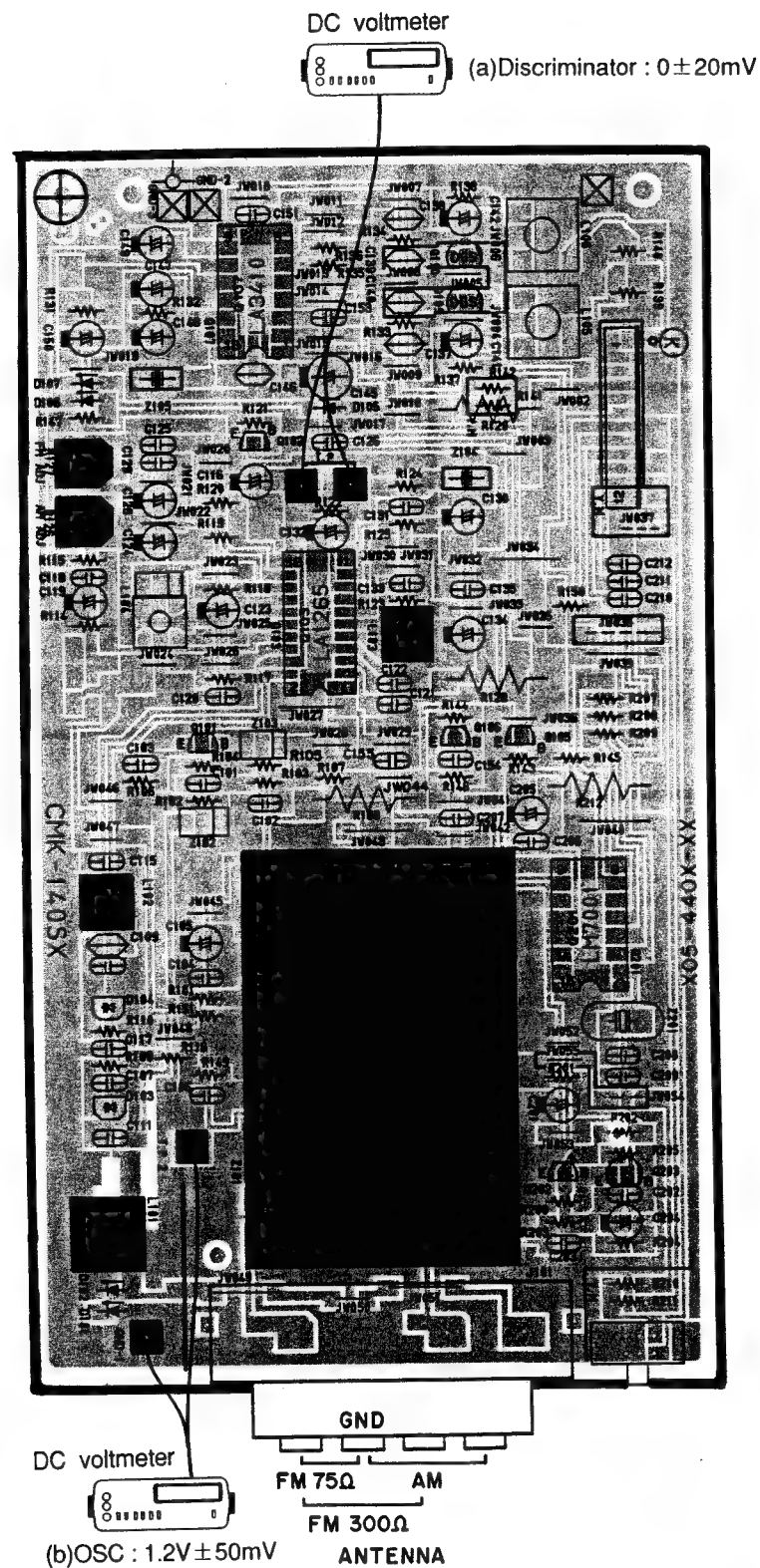
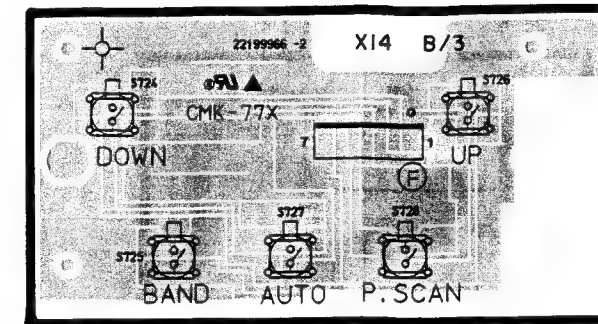
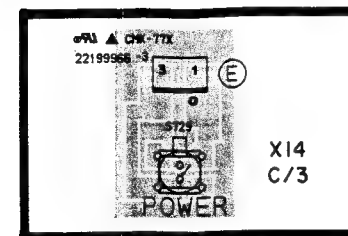
WIRING DIAGRAM



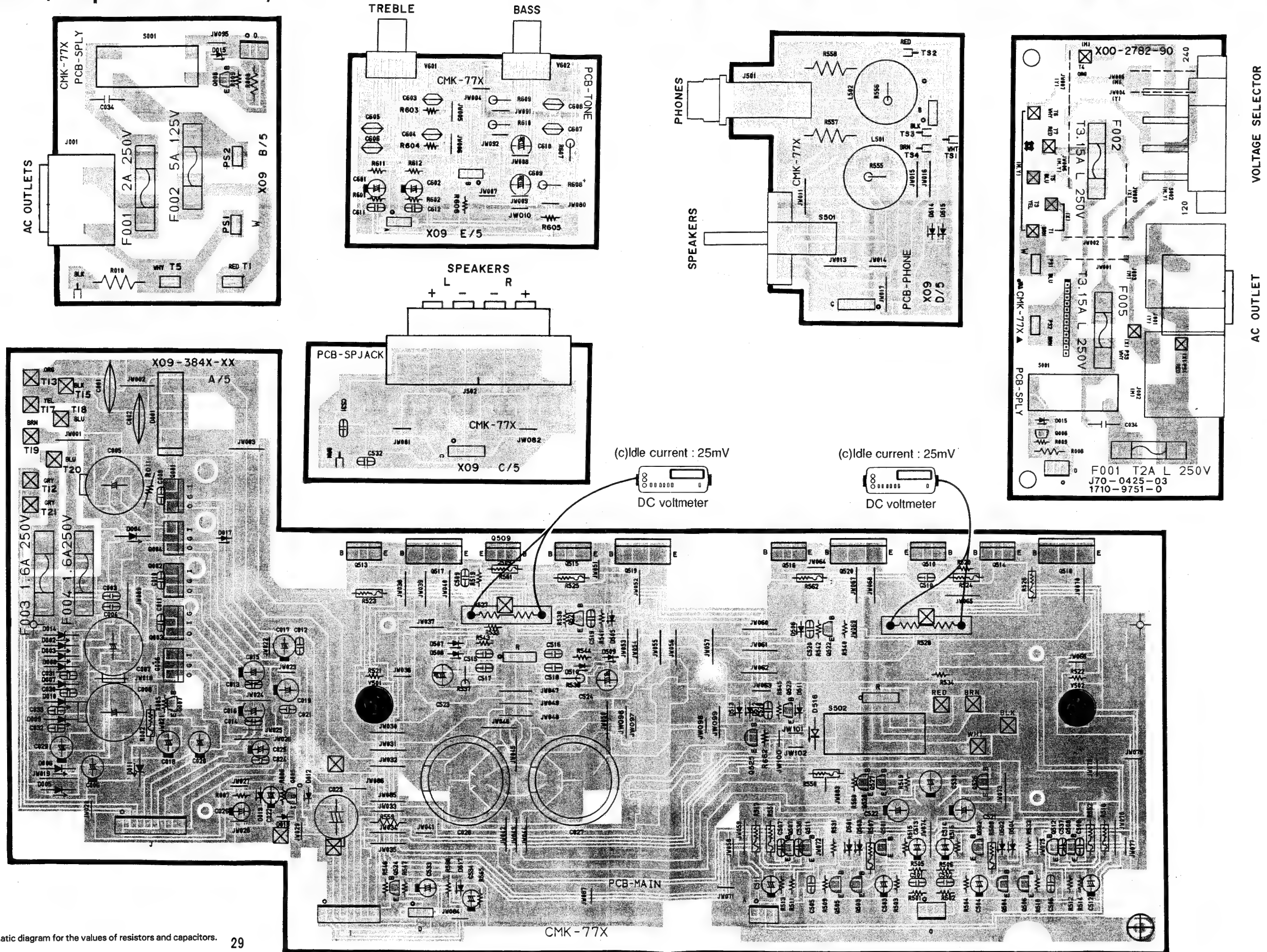
A schematic diagram of a 1000-bp DNA fragment. The fragment is represented as a horizontal line with arrows at both ends, indicating the direction of the DNA strand. The fragment is divided into ten regions, labeled A through J. Regions A, C, E, G, and I are white, while regions B, D, F, H, and J are black. The regions are separated by vertical lines. The labels A, B, C, D, E, F, G, H, I, and J are placed above their respective regions.

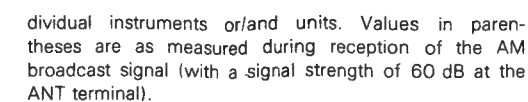


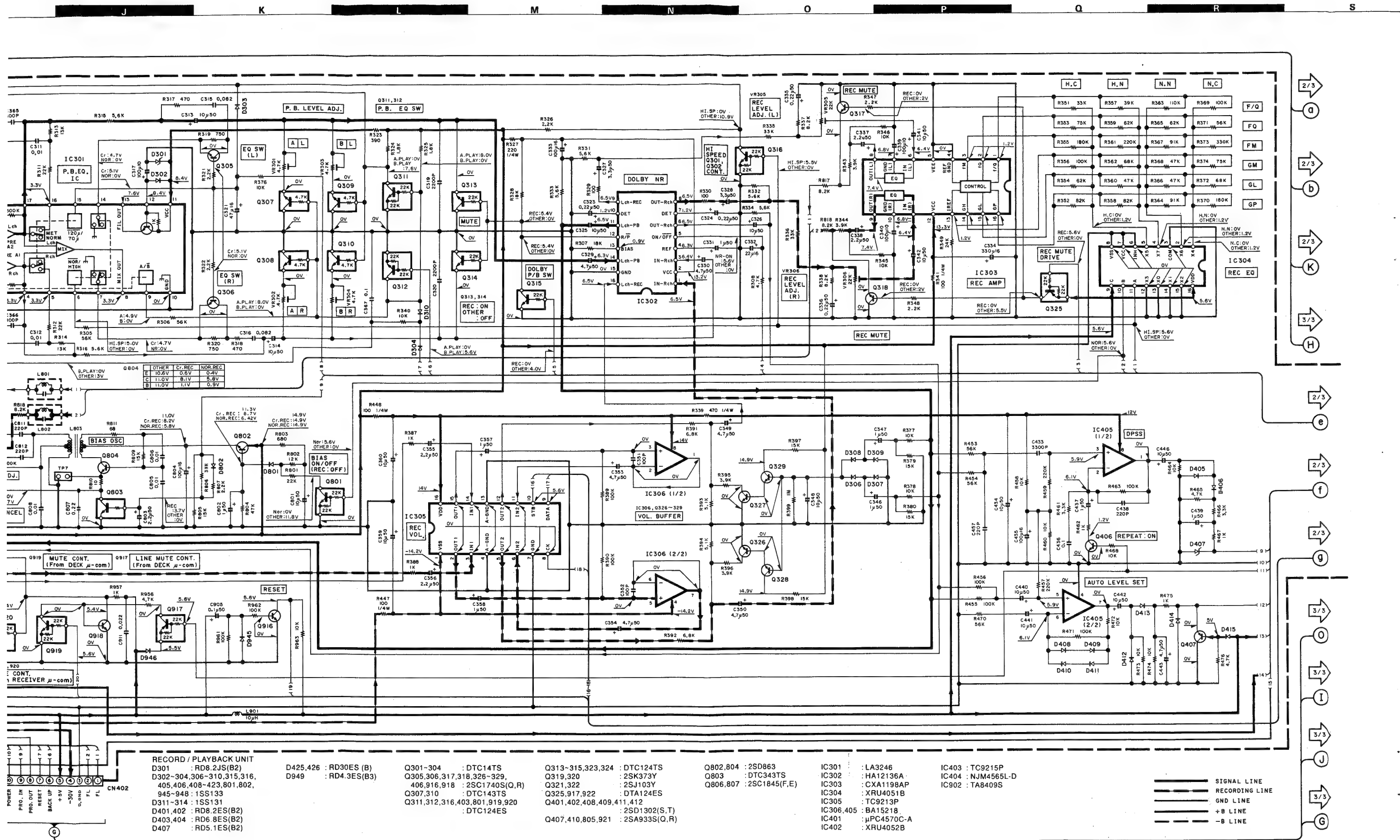
PC BOARD (Component side view)



PC BOARD (Component side view)







CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance

measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

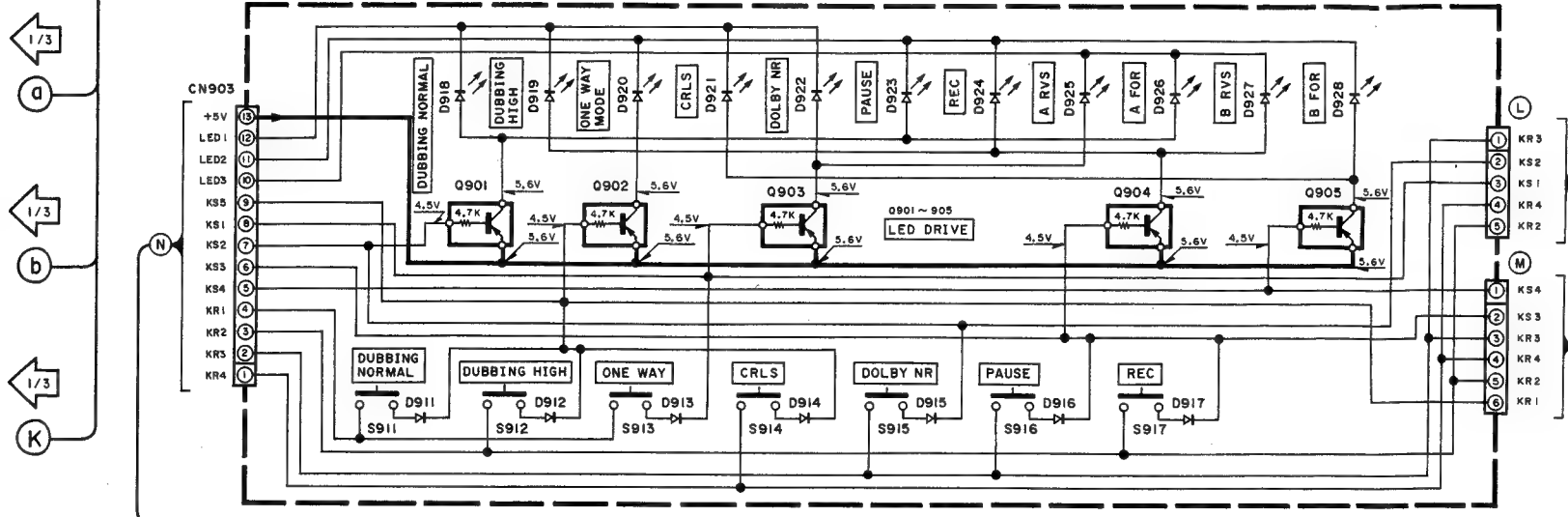
Y09-4270-10 1/3

KRX-593/793
KENWOOD

SWITCH UNIT (X13-7260-10)(A/3)

SWITCH UNIT (X13-) (B/3)

SWITCH UNIT (X13-) (C/3)



SWITCH UNIT (X13-) (A/3)
D911~917 : 1SS133
D918~928 : B30-2457-05

Q901~905 : DTA143TS

MECHA. A

D901~905 : 1SS133

MECHA. B

D906~910 : 1SS133

RECORD/PLAYBACK UNIT

D929~932, 935~937,
940, 943, 944 : 1SS133

D933, 934, 938, 939 : S5688B

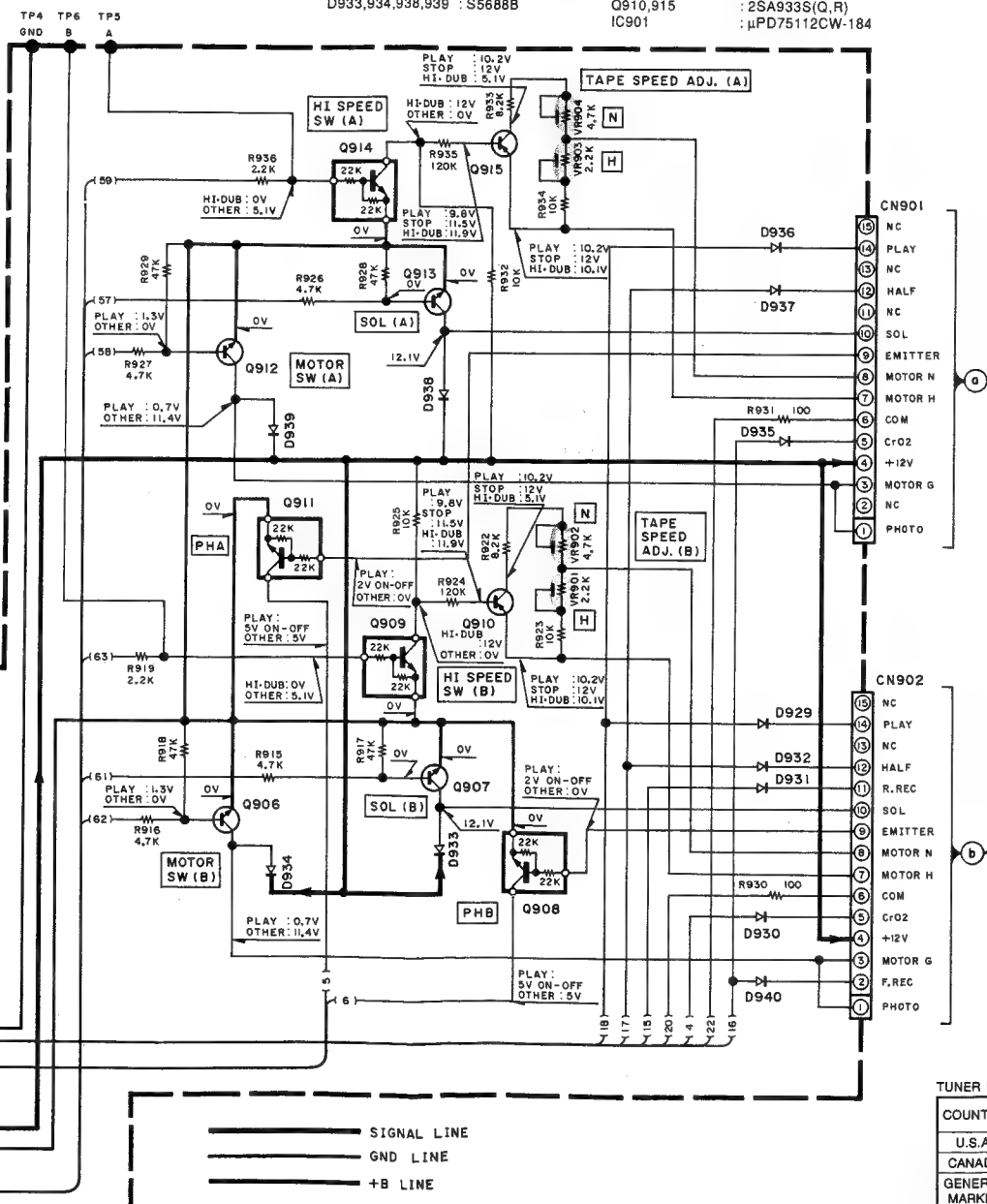
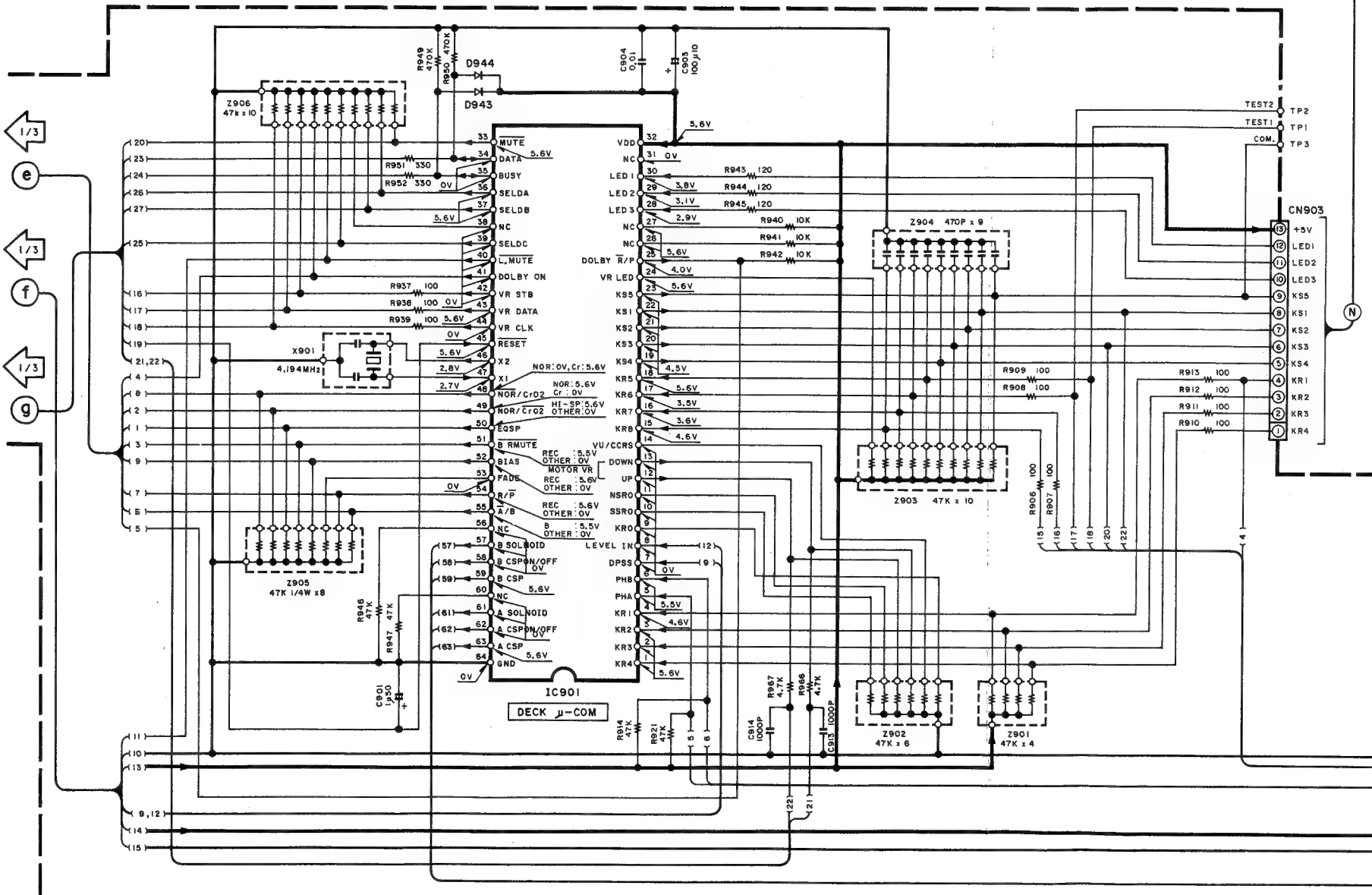
Q906, 907, 912, 913 : 2SC3246

Q908, 909, 911, 914 : DTC124ES

Q910, 915 : 2SA933S(O, R)

IC901 : μ PD75112CW-184

RECORD/PLAYBACK UNIT (X28-2510-10)



— SIGNAL LINE
— GND LINE
— +B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To

reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

FM
Q17
Q17
Q17
D17

TUN
D10
D10
Q10
Q10
Q10
Q10
Q20
Q20

TUNER UNIT			
COUNTRY	ABB.	(A, B)	
U.S.A.	K	NO	1
CANADA	P		
GENERAL MARKET	M	YES	1
AUSTRALIA	X	NO	1



SIGNAL LINE
GND LINE
+B LINE
-B LINE

DISPLAY UNIT					
COUNTRY	ABB.	CN401	D711	R702	R722
U.S.A.	K	11PIN	YES	NO	YES
CANADA	P	11PIN	YES	NO	YES
GENERAL MARKET	M	12PIN	NO	YES	YES

DISPLAY UNIT (X14-3760-XX)(A/3)

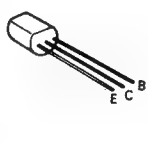
AUDIO UNIT (X09-3840-XX)(A/5)

A/B VOLTAGE		KRX-593	KRX-793
A	43.0V	57.6V	
B	-43.0V	-57.6V	

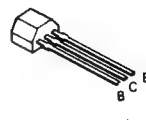
DISPLAY UNIT (X14-)
D701-717 : 1SS133
D718-723 : B30-2457-05
(SLP-138B-51)
D724, 725 : RD8.2ES(B2)

Q701 : μ PD75208CW-B49
Q702 : W02-1153-05
Q703 : 2SC1740S(Q,R)

Z701 : CF1155C



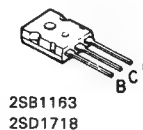
2SA1124
2SA992
2SB764
2SC1845
2SC1923
2SC2003
2SC2632
2SC3244
2SC3246
2SD1302
2SD863



DTC124TS
DTC143TS
DTC343TS
2SA933S
2SC1740S
DTA115TS
DTA124ES
DTA143TS
DTC114TS
DTC124ES



2SC4137



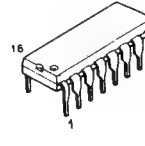
2SB1163
2SD1718



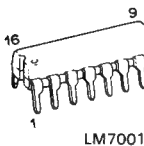
2SA1535
2SC3944



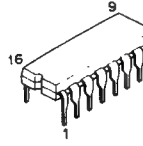
BA15218



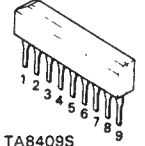
CXA1198AP
LA3410
XRU4051B
XRU4052B



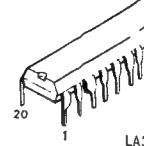
LM7001



HA12136A
TC9213P
TC9215P

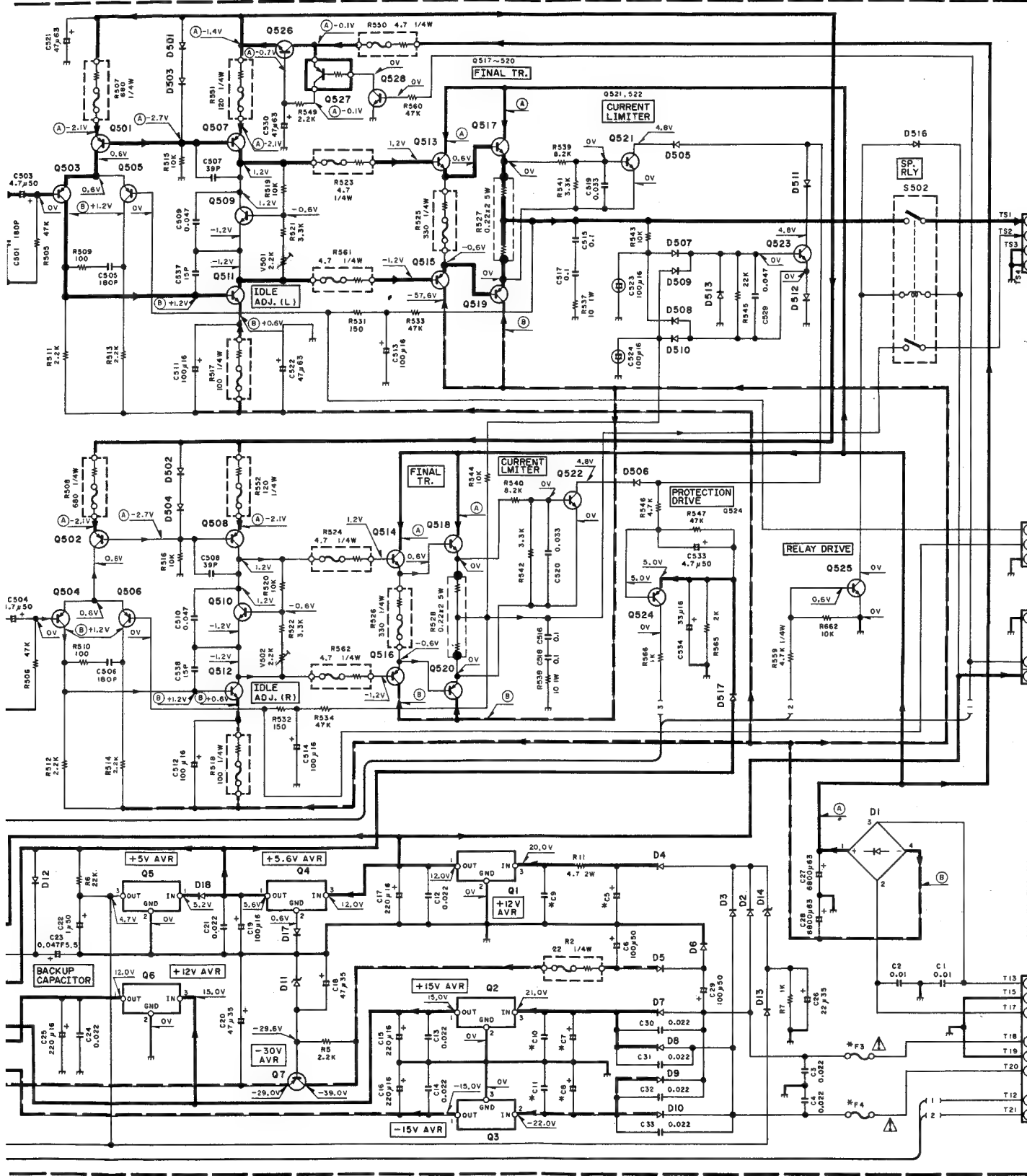


TA8409S

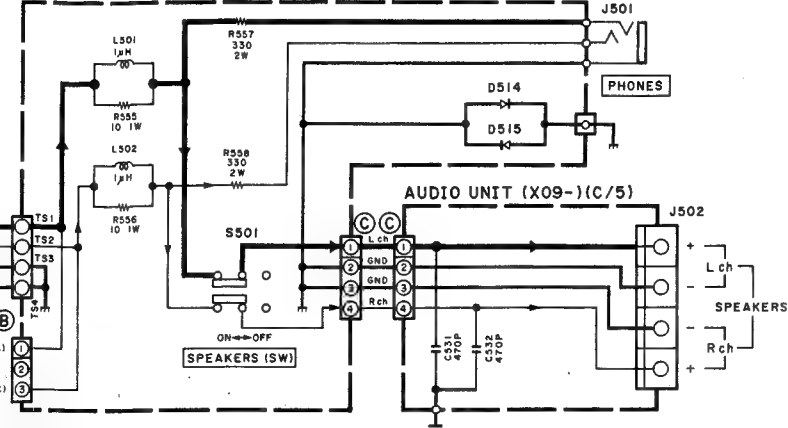


LA3246

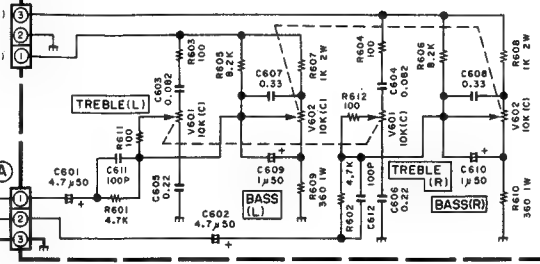
JIT (X09-3840-XX)(A/5)



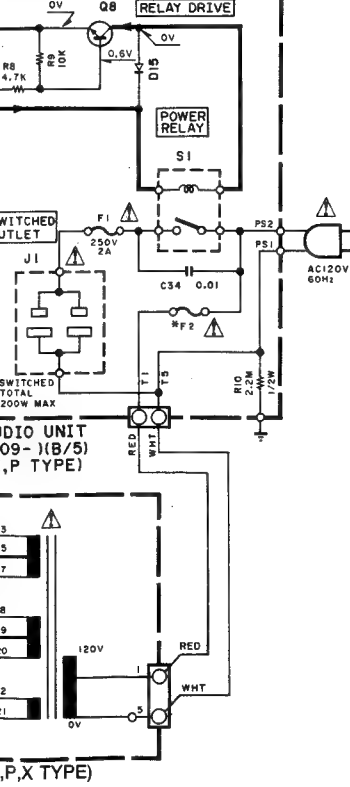
AUDIO UNIT (X09-1)(D/5)



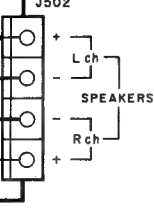
AUDIO UNIT (X09-1)(E/5)



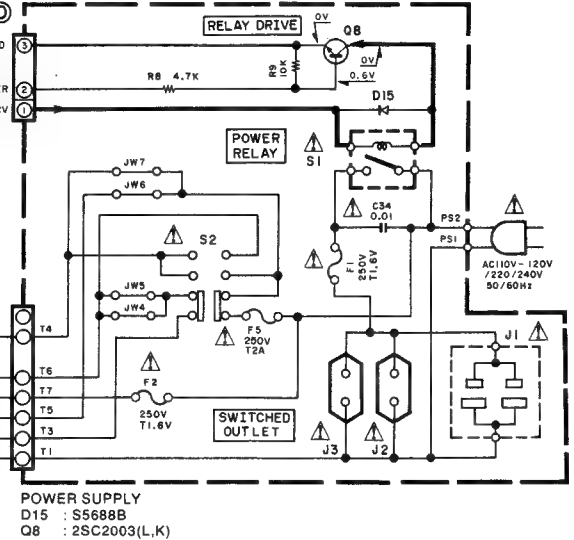
AUDIO UNIT (X09-1)(B/5) (K,P TYPE)



AUDIO UNIT (X09-1)(C/5)



POWER SUPPLY UNIT (X00-2782-90) (M TYPE)

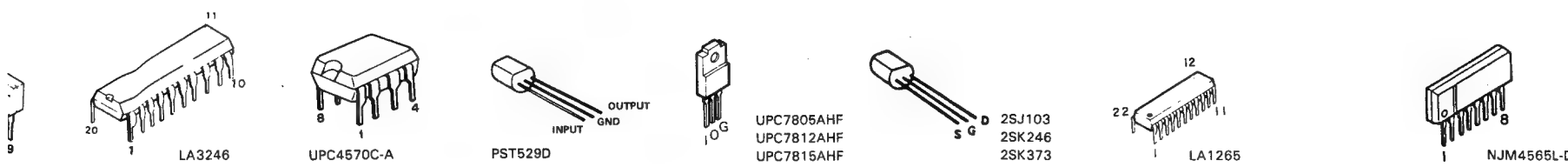


MODEL NAME	COUNTRY	ABB.	UNIT NAME	C5, 7	C8	C9-11	F1	F2	F3, 4	F5
U.S.A.	K	X09-3840-11	2200/25	1000/25	0.022	250V 2A	250V 3A	250V 1.6A	NO	
CANADA	P	X09-3840-11	2200/25	1000/25	0.022	250V 2A	250V 3A	250V 1.6A	NO	
GENERAL MARKET	M	X09-3840-22	2200/35	1000/35	0.047	250V T1.6A	250V T1.6A	250V T1.6A	250V T2A	

- AUDIO UNIT (X09-1)(A/5)
- Q1, 6 : μ PC7812AHF
 - Q2 : μ PC7815AHF
 - Q3 : μ PC7915AHF
 - Q4 : μ PC7805AHF
 - Q5 : PST529D
 - Q7 : 2SB764
 - Q8 : 2SC2003(L,K)
 - Q501-506 : 2SA992(E,F)
 - Q507, 508 : 2SA1124
 - Q509, 510 : 2SC4137
 - Q511, 512 : 2SC2632
 - Q513, 514 : 2SC3944(Q,R)
 - Q515, 516 : 2SA1535(Q,R)
 - Q517, 518 : 2SD2064
 - Q519, 520 : 2SB1371
 - Q521-523 : 2SC1740S(Q,R)
 - Q524 : 2SA933S(Q,R)
 - Q525 : 2SC2003(L,K)
 - Q526 : 2SC3244
 - Q527 : DTA115TS
 - Q528 : 2SC1845(E,F)
- D1 : RS603
- D2-10, 15, 17, 516 : S5688B
- D11 : RD30ES(B)
- D12, 13, 18, 501-504, 507-510, 512, 513, 517 : 1SS133
- D14 : RD8.2ES(B2)
- D505, 506, 511 : 1SS131

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



KRX-593

Y09-4270-10 3/3

KENWOOD

SIGNAL LINE
GND LINE
+B LINE
-B LINE

DISPLAY UNIT

COUNTRY	ABB.	CN401	D711	R702	R722
U.S.A.	K	11PIN	YES	NO	YES
CANADA	P	12PIN	NO	YES	YES
GENERAL MARKET	M	12PIN	NO	YES	YES
AUSTRALIA	X	11PIN	NO	NO	NO

DISPLAY UNIT (X14-3760-XX) (A/3)

REMOTE SENSOR

Q702

FL DISPLAY

RECEIVER μ-COM

Q701

DISPLAY UNIT (X14-) (C/3)

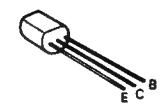
DISPLAY UNIT (X14-) (B/3)

AUDIO UNIT (X09-3840-XX) (A/5)

(A) (B) VOLTAGE

	KRX-593	KRX-793
(A)	43.0V	57.6V
(B)	-43.0V	-57.6V

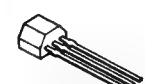
DISPLAY UNIT (X14-)
D701~717 : 1SS133
D718~723 : B30-2457-05
(SLP-138B-51)
D724,725 : RD8.2ES(B2)
Q701 : μPD75208CW-B49
Q702 : W02-1153-05
Q703 : 2SC1740S(Q,R)
Z701 : CF1155C



2SA1124
2SA992
2SB764
2SC1845
2SC1923



2SC2003
2SC2632
2SC3244
2SC3246
2SD1302
2SD863

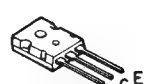


DTC124TS
DTC143TS
2SA933S
2SC1740S

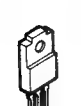
DTA116TS
DTA124ES
DTA143TS
DTC114TS
DTC124ES



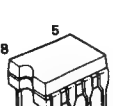
2SC4137
2SB1163
2SD1718



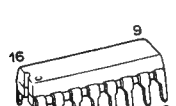
2SA1535
2SC3944



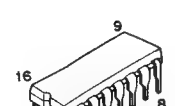
BA15218



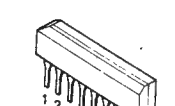
CXA1198AP
LA3410
XRUA051B
XRUA052B



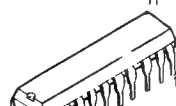
LM7001



HA12136A
TC9213P
TC9215P

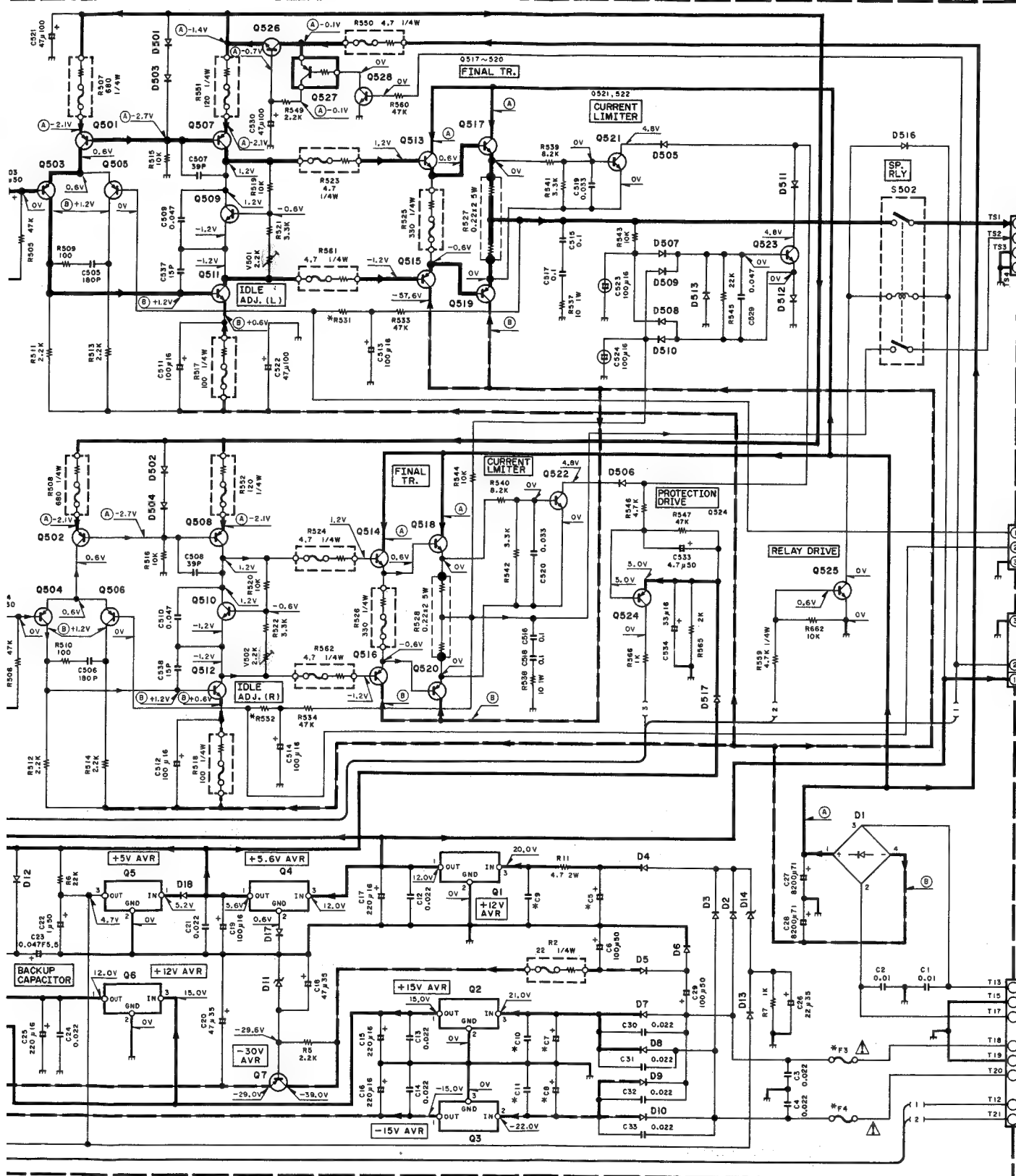


TA8409S

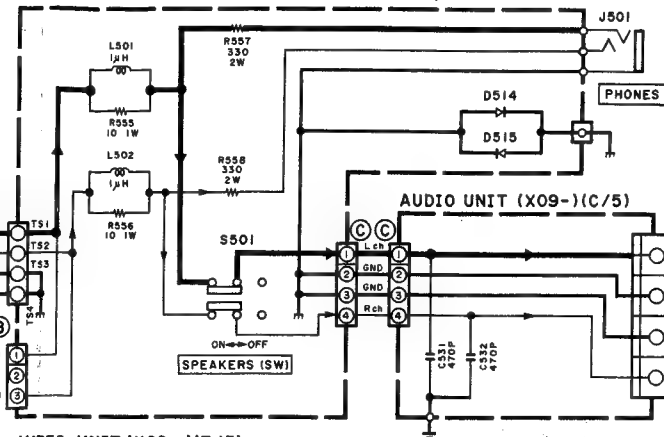


LA3246

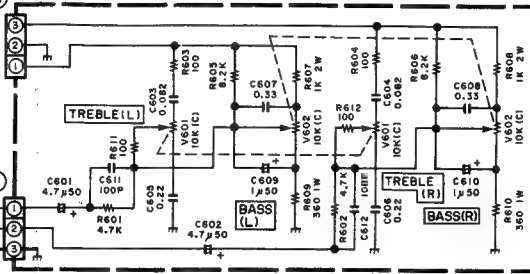
r (X09-3840-XX)(A/5)



AUDIO UNIT(X09-)(D/5)

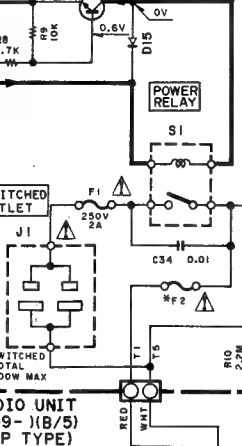


AUDIO UNIT (X09-)(E/5)



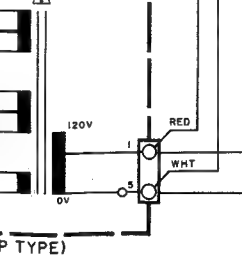
AUDIO UNIT (X09-)(B/5)

(K,P TYPE)



AUDIO UNIT (X09-)(B/5)

(X TYPE)



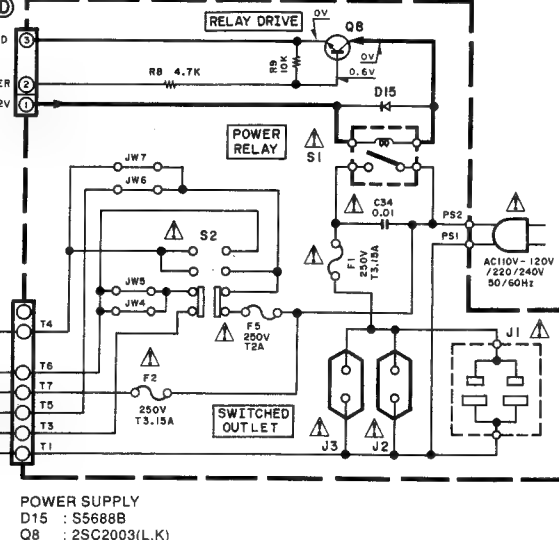
AUDIO UNIT (X09-)(A/5)

- Q1,6 : μ PC7812AHF
- Q2 : μ PC7815AHF
- Q3 : μ PC7915HF
- Q4 : μ PC7805AHF
- Q5 : PST529D
- Q7 : 2SB764
- Q8 : 2SC2003(L,K)
- Q501-506 : 2SA992(E,F)
- Q507,508 : 2SA1124
- Q509,510 : 2SC4137
- Q511,512 : 2SC2632
- Q513,514 : 2SC3944(Q,R)
- Q515,516 : 2SA1535(Q,R)
- Q517,518 : 2SD1718
- Q519,520 : 2SB1163
- Q521-523 : 2SC1740S(Q,R)
- Q524 : 2SA933S(Q,R)
- Q525 : 2SC2003(L,K)
- Q526 : 2SC3244
- Q527 : DTA115TS
- Q528 : 2SC1845(E,F)

- D1 : RS603
- D2-10,15,17,516 : S5688B
- D11 : RD30ES(B)
- D12,13,18,501-504, 507-510,512,513,517 : 1SS133
- D14 : RD8.2ES(B2)
- D505,506,511 : 1SS131

POWER SUPPLY UNIT (X00-2782-90)

(M TYPE)



POWER SUPPLY

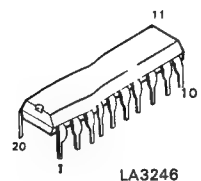
- D15 : S5688B
- Q8 : 2SC2003(L,K)

AUDIO UNIT (X09-)

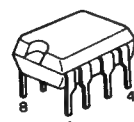
MODEL NAME	COUNTRY	ABB.	UNIT NAME	C5, 7	C8	C9-11	F1	F2	F3, 4	F5
U.S.A.	K	P	X09-3840-10	2200,25	1000,25	0.022	250V 2A	250V 5A	250V 1.8A	NO
CANADA	K	P	X09-3840-21	2200,35	1000,35	0.047	250V T3.15A	250V T3.15A	250V T1.6A	250V T2A
GENERAL MARKET	M	X	X09-3840-71	NO	NO	NO	250V T3.15A	250V T3.15A	NO	250V T2A
AUSTRALIA	X	X	X09-3840-71	NO	NO	NO	250V T3.15A	250V T3.15A	NO	250V T2A

DC voltages are as measured with a high-impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

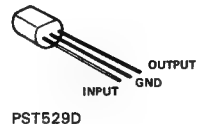
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



LA3246



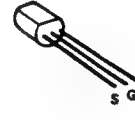
UPC4570C-A



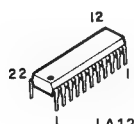
PST529D



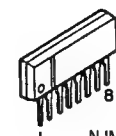
UPC7805AHF
UPC7812AHF
UPC7815AHF



2SJ103
2SK246
2SK373



LA1265



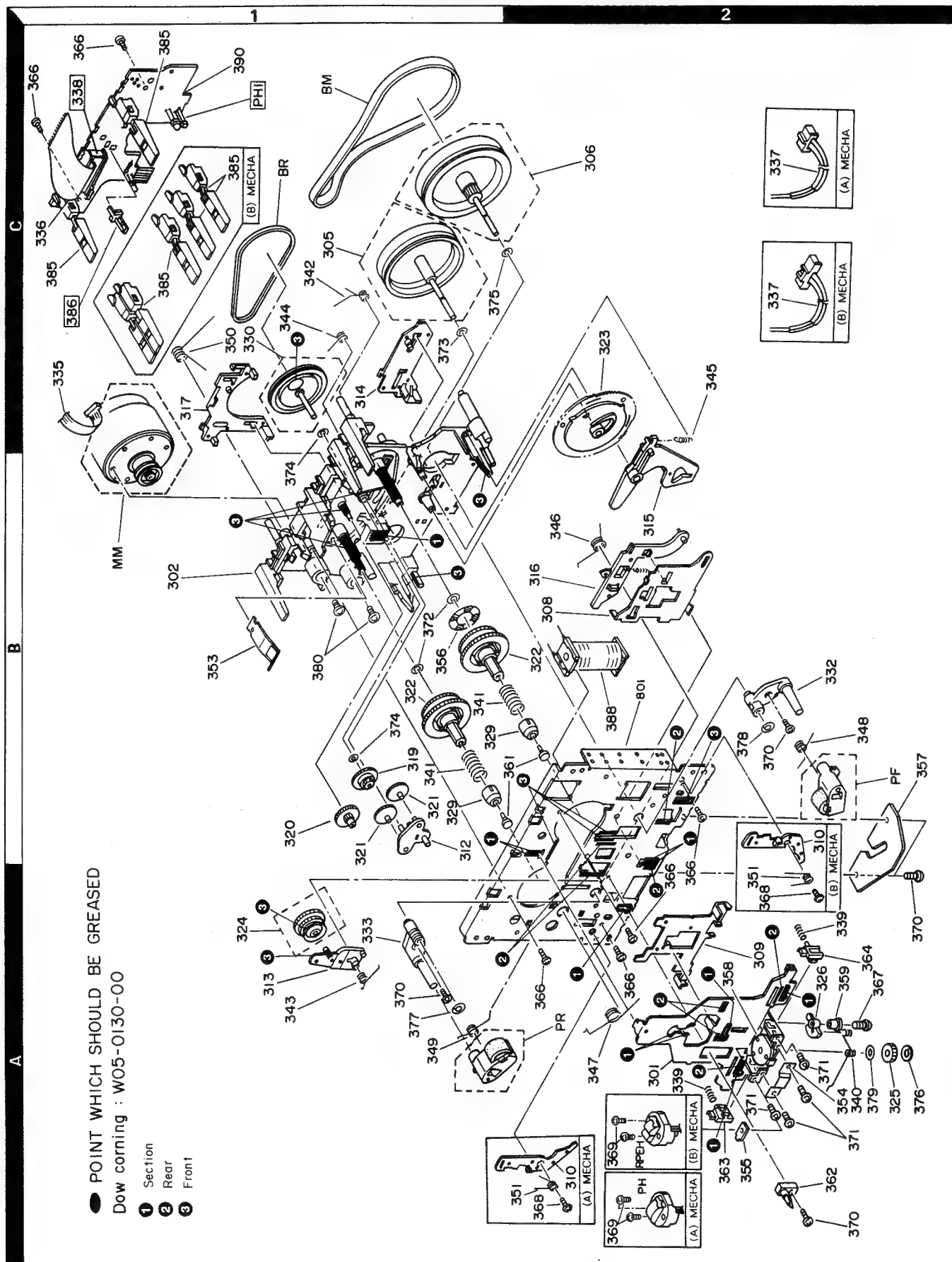
NJM4566L-D

KRX-793

KENWOOD

KRX-593/793

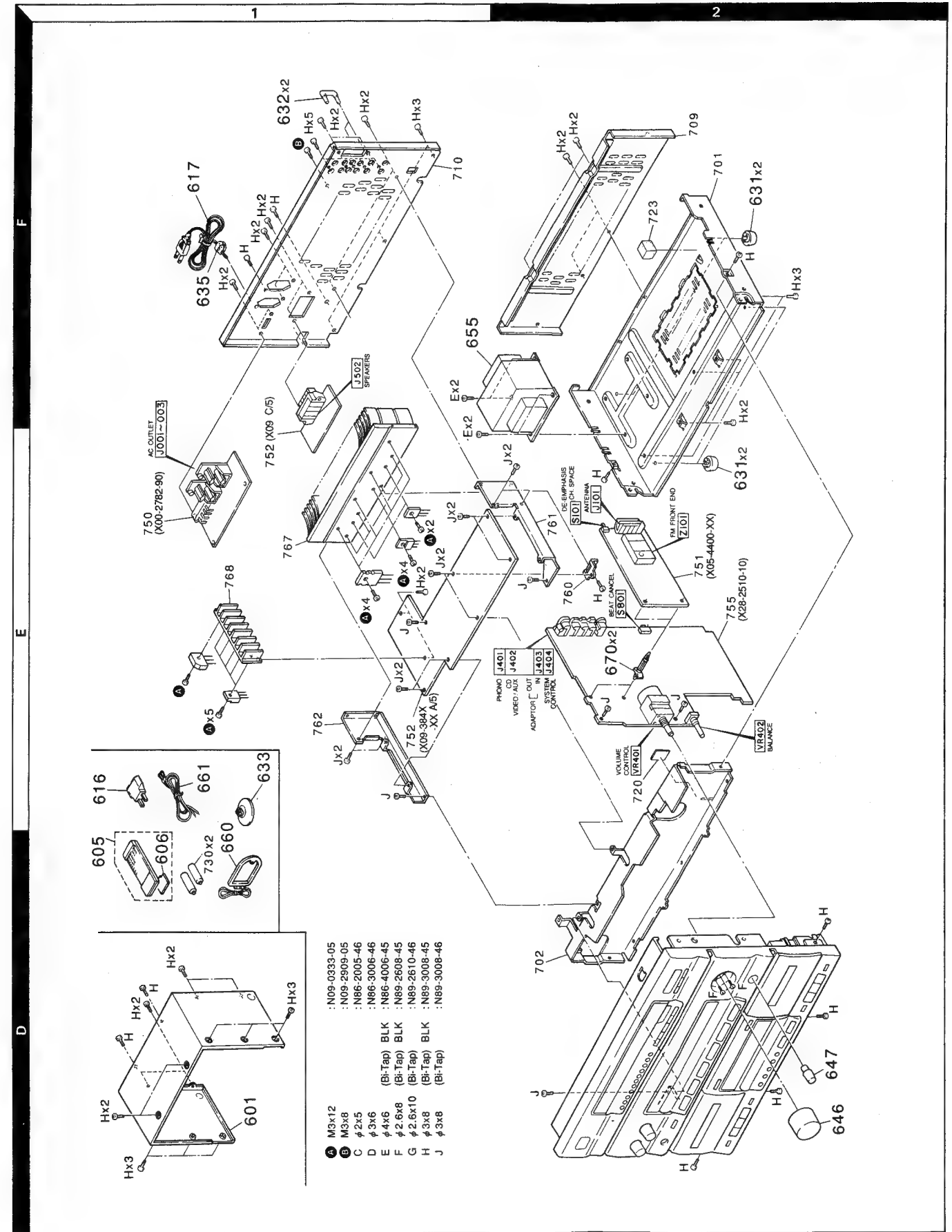
EXPLODED VIEW (MECHANISM UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

KRX-593/793

EXPLODED VIEW (UNIT) (1/2)



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (UNIT) (2/2)



PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address	New Parts	Parts No.	Description	Desti-nation	Re-marks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
KRX-793						
601	1D		A01-3069-11	METALLIC CABINET		
602	3H	*	A60-0397-01	PANEL		A
603	3G	*	A53-1407-02	CASSETTE HOLDER		B
604	3H	*	A53-1408-02	CASSETTE HOLDER		
605	1D		A70-0592-05	REMOTE CONTROLLER ASSY		
606	1D		A09-0112-08	BATTERY COVER		
608	3G	*	B03-2835-04	DRESSING PLATE CASSETTE HOLDER		
609	2G	*	B03-2838-03	DRESSING PLATE TUNER		
610	2G	*	B03-2839-03	DRESSING PLATE AMP		
611	3G	*	B03-2840-03	DRESSING PLATE DECK		
-			B46-0092-23	WARRANTY CARD	K	
-			B46-0121-23	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONNAIRE CARD	K	
-		*	B60-1186-00	INSTRUCTION MANUAL (ENGLISH)	P	
-		*	B60-1187-00	INSTRUCTION MANUAL (FRENCH)	M	
-		*	B60-1188-00	INSTRUCTION MANUAL (SPANISH)		
613	1H	*	D10-3370-04	EJECT LEVER		A
614	3I	*	D10-3371-04	EJECT LEVER		B
615	2H, 3H		D39-0176-05	DAMPER		
△ 616	1E		E03-0115-05	AC PLUG ADAPTER	M	
△ 617	1F		E30-0459-05	AC POWER CORD	M	
△ 617	1F		E30-0974-05	AC POWER CORD	KP	
622	1H, 3I		G01-2331-04	EXTENSION SPRING		
623	3G		G01-3343-14	TORSION COIL SPRING		
624	3H		G01-3344-14	TORSION COIL SPRING		
625	3G, 3H		G02-1001-24	FLAT SPRING		
630	3G, 3H	*	G16-0814-04	SHEET		
-		*	H50-0657-03	ITEM CARTON CASE	KP	
-		*	H50-0681-03	ITEM CARTON CASE	M	
-		*	H10-5508-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5509-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0640-04	PROTECTION BAG		
631	2E, 2F		J02-0366-15	FOOT		
632	1F		J12-0091-05	PIN		
633	1E	*	J19-3583-04	ANTENNA HOLDER		A
634	1H		J31-0498-04	EJECT LEVER COLLAR		B
△ 635	1F		J42-0083-05	POWER CORD BUSHING		
640	2H	*	K27-2103-04	KNOB SPEAKERS		
641	2H		K29-4112-03	KNOB TUNING, BAND, AUTO, P. CALL		
642	2H		K29-4113-04	KNOB POWER		
643	2H, 3H		K29-4120-03	KNOB FWD, RVS, STOP		
644	2H, 3H		K29-4121-03	KNOB FF, FR		
645	1I	*	K29-5708-02	KNOB 10 KEY, SLEEP		
646	2D	*	K29-5709-04	KNOB VOLUME CONTROL		
647	2D	*	K29-5719-04	KNOB BALANCE		
648	2H	*	K29-5722-04	KNOB EJECT		
649	2I	*	K29-5736-01	KNOB DECK CONTROL		
650	2I	*	K29-5737-01	KNOB AMP INPUT SELECTOR		
651	3G	*	K29-5738-03	KNOB BASS, TREBLE		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

A: A MECHA

B: B MECHA

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No.	Address	New Parts	Parts No.	Description	Desti-nation	Re-marks
参照番号	位置	新	部品番号	部品名 / 規格	仕向	備考
655	1F	*	L07-0694-05	POWER TRANSFORMER	KP	
655	1F	*	L07-0695-05	POWER TRANSFORMER	M	
B	1F		N09-2909-05	TAPTITE SCREW		
C	1H, 3I		N86-2005-46	BINDING HEAD TAPTITE SCREW		
D	1H, 2H		N86-3006-46	BINDING HEAD TAPTITE SCREW		
E	1F		N86-4006-45	BINDING HEAD TAPTITE SCREW		
F	2I, 3I		N89-2608-45	BINDING HEAD TAPTITE SCREW		
G	2I, 2J		N89-2610-46	BINDING HEAD TAPTITE SCREW		
H	1F, 2F		N89-3008-45	BINDING HEAD TAPTITE SCREW		
J	1E, 2E		N89-3008-46	BINDING HEAD TAPTITE SCREW		
660	1D		T90-0174-05	LOOP ANTENNA		
661	1E		T90-0182-15	LEAD WIRE ANTENNA		
KRX-593						
601	1D		A01-3069-11	METALLIC CABINET		
602	3H	*	A60-0396-01	PANEL		A
603	3G	*	A53-1407-02	CASSETTE HOLDER		B
604	3H	*	A53-1408-02	CASSETTE HOLDER		
605	1D		A70-0592-05	REMOTE CONTROLLER ASSY		
606	1D		A09-0112-08	BATTERY COVER		
608	3G	*	B03-2835-04	DRESSING PLATE CASSETTE HOLDER		
609	2G	*	B03-2838-03	DRESSING PLATE TUNER		
610	2G	*	B03-2839-03	DRESSING PLATE AMP		
611	3G	*	B03-2840-03	DRESSING PLATE DECK		
-			B46-0092-23	WARRANTY CARD	K	
-			B46-0096-33	WARRANTY CARD	X	
-			B46-0121-23	WARRANTY CARD	P	
-			B46-0197-00	QUESTIONNAIRE CARD	K	
-		*	B60-1186-00	INSTRUCTION MANUAL (ENGLISH)	P	
-		*	B60-1187-00	INSTRUCTION MANUAL (FRENCH)	M	
-		*	B60-1188-00	INSTRUCTION MANUAL (SPANISH)		
613	1H	*	D10-3370-04	EJECT LEVER		A
614	3I	*	D10-3371-04	EJECT LEVER		B
615	2H, 3H		D39-0176-05	DAMPER		
△ 616	1E		E03-0115-05	AC PLUG ADAPTER	M	
△ 617	1F		E30-0459-05	AC POWER CORD	M	
△ 617	1F		E30-0974-05	AC POWER CORD	KP	
△ 617	1F		E30-2714-05	AC POWER CORD	X	
622	1H, 3I		G01-2331-04	EXTENSION SPRING		
623	3G		G01-3343-14	TORSION COIL SPRING		
624	3H		G01-3344-14	TORSION COIL SPRING		
625	3G, 3H		G02-1001-24	FLAT SPRING		
630	3G, 3H	*	G16-0814-04	SHEET		
-		*	H50-0658-03	ITEM CARTON CASE	KP	
-		*	H50-0680-03	ITEM CARTON CASE	M	
-		*	H10-5508-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5509-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-			H25-0640-04	PROTECTION BAG		
631	2E, 2F		J02-0366-15	FOOT		
632	1F	*	J12-0091-05	PIN		
633	1E	*	J19-3583-04	ANTENNA HOLDER		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

A: A MECHA

B: B MECHA

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
634	1H		J31-0498-04	EJECT LEVER COLLAR		
635	1F		J42-0083-05	POWER CORD BUSHING		
640	2H	*	K27-2103-04	KNOB SPEAKERS		
641	2H		K29-4112-03	KNOB TUNING, BAND, AUTO, P. CALL		
642	2H		K29-4113-04	KNOB POWER		
643	2H, 3H		K29-4120-03	KNOB FWD, RVS, STOP		
644	2H, 3H		K29-4121-03	KNOB FF, FR		
645	1I	*	K29-5708-02	KNOB 10 KEY, SLEEP		
646	2D	*	K29-5709-04	KNOB VOLUME CONTROL		
647	2D	*	K29-5719-04	KNOB BALANCE		
648	2H	*	K29-5722-04	KNOB EJECT		
649	2I	*	K29-5736-01	KNOB DECK CONTROL		
650	2I	*	K29-5737-01	KNOB AMP INPUT SELECTOR		
651	3G	*	K29-5738-03	KNOB BASS, TREBLE		
655	1F	*	L07-0515-15	POWER TRANSFORMER	KP	
655	1F	*	L07-0517-15	POWER TRANSFORMER	M	
655	1F	*	L07-0518-15	POWER TRANSFORMER	X	
B	1F		N09-2909-05	TAPTITE SCREW		
C	1H, 3I		N86-2005-46	BINDING HEAD TAPTITE SCREW		
D	1H, 2H		N86-3006-46	BINDING HEAD TAPTITE SCREW		
E	1F		N86-4006-45	BINDING HEAD TAPTITE SCREW		
F	2I, 3I		N89-2608-45	BINDING HEAD TAPTITE SCREW		
G	2I, 3J		N89-2610-46	BINDING HEAD TAPTITE SCREW		
H	1F, 2F		N89-3008-45	BINDING HEAD TAPTITE SCREW		
J	1E, 2E		N89-3008-46	BINDING HEAD TAPTITE SCREW		
660	1D		T90-0174-05	LOOP ANTENNA		
661	1E		T90-0182-15	LEAD WIRE ANTENNA		
POWER UNIT (X00-2782-90) (M type only)						
C34			C91-0647-05	CERAMIC 0.01UF AC250V	M	
J2 , 3			E03-0108-05	AC OUTLET	M	
-			J13-0077-05	FUSE CLIP	M	
S1		*	S76-0030-05	MAGNETIC RELAY	M	
S2			S31-2322-05	SLIDE SWITCH VOLTAGE SELECTOR	M	
D15			S5688B	DIODE	M	
Q8			2SC2003(L, K)	TRANSISTOR	M	
TUNER UNIT (X05-4400 -10: K, P type -21: M type / -71: X type)						
C101			C91-0769-05	CERAMIC 0.01UF K		
C102		*	C91-1484-05	CERAMIC 0.022UF		
C103			C91-0769-05	CERAMIC 0.01UF K		
C104		*	C91-1484-05	CERAMIC 0.022UF		
C105			CE04KW1C331M	ELECTRO 330UF 16WV		
C106, 107		*	C91-1483-05	CERAMIC 0.1UF		
C109			CF92FV1H471J	MF 470PF J		
C110			C91-0729-05	CERAMIC 22PF J		
C111			C91-0725-05	CERAMIC 15PF J		
C115		*	C91-1484-05	CERAMIC 0.022UF		
C116			CE04KW1H100M	ELECTRO 10UF 50WV		
C117, 118		*	C91-1484-05	CERAMIC 0.022UF		
C119			CE04KW1H100M	ELECTRO 10UF 50WV		
C120-122		*	C91-1484-05	CERAMIC 0.022UF		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

53

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C123			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C124			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C125			C91-0769-05	CERAMIC 0.01UF K		
C126		*	C91-1483-05	CERAMIC 0.1UF		
C128			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C129		*	C91-1484-05	CERAMIC 0.022UF		
C130			CE04KW1H100M	ELECTRO 10UF 50WV		
C131			C91-0733-05	CERAMIC 33PF J		
C132			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C133		*	C91-1484-05	CERAMIC 0.022UF		
C134			CE04KW1E101M	ELECTRO 100UF 25WV		
C135		*	C91-1484-05	CERAMIC 0.022UF		
C137, 138			CF92FV1H331K	MF 330PF K	MX	
C137, 138			CF92FV1H471J	MF 470PF J	KP	
C139, 140			CF92FV1H181K	MF 180PF K	M	
C141, 142			CE04KW1H100M	ELECTRO 10UF 50WV		
C145			CE04KW1E101M	ELECTRO 100UF 25WV		
C146			CF92FV1H473J	MF 0.047UF J		
C147			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C148			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C149			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C150			CE04KW1H100M	ELECTRO 10UF 50WV		
C151		*	C91-1484-05	CERAMIC 0.022UF		
C153			C91-0757-05	CERAMIC 1000PF K		
C154		*	C91-1484-05	CERAMIC 0.022UF		
C155			C91-0729-05	CERAMIC 22PF J		
C201			CE04KW1E101M	ELECTRO 100UF 25WV		
C202			C91-0769-05	CERAMIC 0.01UF K		
C203		*	C91-1484-05	CERAMIC 0.022UF		
C204			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C205			CE04KW1C470M	ELECTRO 47UF 16WV		
C206		*	C91-1484-05	CERAMIC 0.022UF		
C207			C91-0757-05	CERAMIC 1000PF K		
C208, 209			C91-0737-05	CERAMIC 47PF J		
C210-212			C91-0745-05	CERAMIC 100PF K		
J101			E20-0476-05	LOCK TERMINAL BOARD ANTENNA		
L101		*	L31-0610-05	MW-RF COIL		
L102		*	L32-0559-05	MW OSCILLATING COIL		
L103			L30-0439-25	FM IFT		
L104		*	L30-0903-05	AM IFT		
L105, 106		*	L35-0069-05	MPX COIL		
Z102, 103			L72-0531-05	CERAMIC FILTER		
Z104			L72-0096-05	CERAMIC FILTER		
Z105			L78-0286-05	RESONATOR 456.60kHz		
Z201			L77-1122-05	CRYSTAL RESONATOR 7.200MHz		
R108			RS14KB3D470J	FL-PROOF RS 47 J 2W		
R128, 129			RS14KB3D470J	FL-PROOF RS 47 J 2W		
R212			RS14KB3D470J	FL-PROOF RS 47 J 2W		
VR126			R12-3099-05	TRIMMING POT.(47K)AM TUN LEVEL		
VR127			R12-3128-05	TRIMMING POT.(22K)FM TUN LEVEL		
S101			S31-2132-05	SLIDE SWITCH DE-EMPHASIS	M	
D101, 102			1SS133	DIODE		
D103, 104			SVC321-2	VARIABLE CAPACITANCE DIODE		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

54

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D105-107 IC103 IC107 IC201 Q101 Q102 Q105, 106 Q109, 110 Q202 Q203 Z101			1SS133 LA1265 LA3410 LM7001 2SC1923(R,0) 2SC1740S(Q,R) 2SA933S(Q,R) 2SK246(Y) 2SC1740S(Q,R) 2SC1845(F,E) * W02-1162-05	DIODE IC(FM/AM TUNER) IC(PLL) IC(PLL FREQUENCY SYNTHESIZER) TRANSISTOR TRANSISTOR TRANSISTOR FET TRANSISTOR TRANSISTOR FM FRONT-END ASSY	M	
AUDIO UNIT (X09-3840 -11, 10: K, P type -22, 21: M type / -71: X type)						
C1 ,2 C3 ,4 C5 C5 C6		*	CK45FE2H103P C91-1484-05 CE04KW1E222M CE04KW1V222M CE04KW1H101M	CERAMIC 0.010UF P CERAMIC 0.022UF ELECTRO 2200UF 25WV ELECTRO 2200UF 35WV ELECTRO 100UF 50WV	KP M	
C7 C7 C8 C8 C9 -11			CE04KW1E222M CE04KW1V222M CE04KW1E102M CE04KW1V102M C91-1485-05	ELECTRO 2200UF 25WV ELECTRO 2200UF 35WV ELECTRO 1000UF 25WV ELECTRO 1000UF 35WV CERAMIC 0.047UF	KP M KP M M	
C9 -14 C12 -14 C15 -17 C18 C19		*	C91-1484-05 C91-1484-05 CE04KW1C221M CE04KW1V470M CE04KW1C101M	CERAMIC 0.022UF CERAMIC 0.022UF ELECTRO 220UF 16WV ELECTRO 47UF 35WV ELECTRO 100UF 16WV	KP M	
C20 C21 C22 C23 C24		*	CE04KW1V470M C91-1484-05 CE04KW1H010M C90-1827-05 C91-1484-05	ELECTRO 47UF 35WV CERAMIC 0.022UF ELECTRO 1.0UF 50WV BACKUP 0.047F 5.5WV CERAMIC 0.022UF		
C25 C26 C27 ,28 C27 ,28 C29		*	CE04KW1C221M CE04KW1V220M C90-1760-05 C90-1871-05 CE04KW1H101M	ELECTRO 220UF 16WV ELECTRO 22UF 35WV ELECTRO 8200UF 71WV ELECTRO 6800UF 63WV ELECTRO 100UF 50WV		7 5
C30 -33 C34 C501,502 C503,504 C505,506		*	C91-1484-05 C91-0647-05 C91-0748-05 CE04KW1H4R7M C91-0748-05	CERAMIC 0.022UF CERAMIC 0.01UF AC250V CERAMIC 180PF K ELECTRO 4.7UF 50WV CERAMIC 180PF K	KP	
C507,508 C509,510 C511-514 C515-518 C519,520		*	C91-0735-05 C91-1485-05 CE04KW1C101M C91-1483-05 C91-0763-05	CERAMIC 39PF J CERAMIC 0.047UF ELECTRO 100UF 16WV CERAMIC 0.1UF CERAMIC 0.0033UF M		
C521,522 C521,522 C523,524 C529 C530		*	CE04KW1J470M CE04KW2A470M CE04HW1C101M C91-1485-05 CE04KW1J470M	ELECTRO 47UF 63WV ELECTRO 47UF 100WV NP-ELEC 100UF 16WV CERAMIC 0.047UF ELECTRO 47UF 63WV		5 7 5
C530 C531,532			CE04KW2A470M C91-0753-05	ELECTRO 47UF 100WV CHIP C 470PF K		7

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

7: KRX-793

5: KRX-593

△ indicates safety critical componers.

KRX-593/793

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
C533 C534 C537, 538 C601, 602 C603, 604			CE04KW1H4R7M CE04KW1C330M C91-0725-05 CE04KW1H4R7M CF92FV1H823J	ELECTRO 4.7UF 50WV ELECTRO 33UF 16WV CERAMIC 15PF J ELECTRO 4.7UF 50WV MF 0.082UF J		
C605, 606 C607, 608 C609, 610 C611, 612			CF92FV1H224J CF92FV1H334J CE04HW1H010M C91-0745-05	MF 0.22UF J MF 0.33UF J NP-ELEC 1.0UF 50WV CERAMIC 100PF K		
△ J1			E03-0117-05	AC OUTLET	KP	
△ J1			E03-0141-05	AC OUTLET	X	
J501		*	E11-0252-05	PHONE JACK		
J502		*	E20-1405-05	HEAD PHONE LOCK TERMINAL BOARD SPEAKER		
△ F1			F04-2025-05	FUSE (UL) (250V 2A)	KP	5
△ F1			F04-2025-05	FUSE (UL) (250V 2A)	KP	7
△ F1 ,2			F05-1623-05	FUSE (SEMKO) (250V T1.6A)	M	5
△ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	MX	7
△ F2			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	7
△ F2			F06-3027-05	FUSE (UL) (250V 3A)	KP	5
△ F3 ,4			F05-1623-05	FUSE (SEMKO) (250V T1.6A)	M	
△ F3 ,4			F05-1628-05	FUSE (UL) (250V 1.6A)	KP	
△ F5			F06-2021-05	FUSE (SEMKO) (250V T2A)	M	5
△ F5			F06-2021-05	FUSE (SEMKO) (250V T2A)	M	7
-			J13-0077-05	FUSE CLIP		
-			J61-0307-05	WIRE BAND		
L501, 502		*	L39-1321-05	PHASE COMPENSATION COIL		
A	1E		N09-0333-05	TAPPING SCREW (3X12)		
H	1F, 2F		N89-3008-45	BINDING HEAD TAPTITE SCREW		
R2			RD14GB2E220J	FL-PROOF RD 22 J 1/4W		
R10			R92-0173-05	RC 2.2M M 1/2W	KP	
R11			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R507, 508			RD14GB2E681J	FL-PROOF RD 680 J 1/4W		
R517, 518			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R523, 524			RD14GB2E4R7J	FL-PROOF RD 4.7 J 1/4W		
R525, 526			RD14GB2E331J	FL-PROOF RD 330 J 1/4W		
R527, 528			R90-0840-05	RD 0.22 5W		
R537, 538		*	R92-1758-05	RN 10 1W		
R550			RD14GB2E4R7J	FL-PROOF RD 4.7 J 1/4W		
R551, 552			RD14GB2E121J	FL-PROOF RD 120 J 1/4W		
R555, 556		*	R92-1758-05	RN 10 1W		
R557, 558			RS14KB3D331J	FL-PROOF RS 330 J 2W		
R561, 562			RD14GB2E4R7J	FL-PROOF RD 4.7 J 1/4W		
R607, 608		*	R92-1760-05	RN 1K 2W		
R609, 610		*	R92-1759-05	RN 360 1W		
VR501, 502			R12-1067-05	TRIMMING POT. (2.2K) IDL ADJ		
VR601, 602		*	R10-3051-05	POTENTIOMETER BASS, TREBLE		
S1		*	S76-0030-05	MAGNETIC RELAY SPEAKER ON/OFF	KP	
S501			S40-2178-05	PUSH SWITCH		
S502		*	S76-0031-05	MAGNETIC RELAY		
D1			RS603	DIODE		
D2 -10			S5688B	DIODE		
D11			RD30ES(B)	ZENER DIODE		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

7: KRX-793

5: KRX-593

PARTS LIST

x Now Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
D12 ,13 D14 D15 D17 D18			1SS133 RD8.2ES(B2) S5688B S5688B 1SS133	DIODE ZENER DIODE DIODE DIODE DIODE	KP	
D501-504 D505,506 D507-510 D511 D512-515			1SS133 1SS131 1SS133 1SS131 1SS133	DIODE DIODE DIODE DIODE DIODE		
D516 D517 Q1 Q2 Q3			S5688B 1SS133 UPC7812AHF UPC7815AHF UPC7915HF	DIODE DIODE IC(VOLTAGE REGULATOR/ +12V) IC(VOLTAGE REGULATOR/ +15V) IC(VOLTAGE REGULATOR/ -15V)		
Q4 Q5 Q6 Q7 Q8			UPC7805AHF PST529D UPC7812AHF 2SB764 2SC2003(L,K)	IC(VOLTAGE REGULATOR/ +5V) IC(SYSTEM RESET) IC(VOLTAGE REGULATOR/ +12V) TRANSISTOR TRANSISTOR	KP	
Q501-506 Q507,508 Q509,510 Q511,512 Q513,514			2SA992(E,F) 2SA1124 2SC4137 2SC2632 2SC3944(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q515,516 Q517,518 Q517,518 Q519,520 Q519,520			2SA1535(Q,R) 2SD1718 2SD2064 2SB1163 2SB1371	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		7 5 7 5
Q521-523 Q524 Q525 Q526 Q527			2SC1740S(Q,R) 2SA933S(Q,R) 2SC2003(L,K) 2SC3244 DTA115TS	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q528			2SC1845(F,E)	TRANSISTOR		
SWITCH UNIT (X13-7260-10)						
D918-928		*	B30-2457-05	LED(SLP-138B-51)		
S901-917			S40-1064-05	PUSH SWITCH KEY BOARD		
D901-917 Q901-905			1SS133 DTA143TS	DIODE DIGITAL TRANSISTOR		
DISPLAY UNIT (X14-3760 -10: K, P type -21: M type / -71: X type)						
D718-723		*	B30-2457-05	LED(SLP-138B-51)		
C701-703 C704 C705 C706 C707,708		*	C91-1484-05 CC45FSL1H270J CC45FSL1H330J C90-3253-05 C91-1484-05	CERAMIC 0.022UF CERAMIC 27PF J CERAMIC 33PF J ELECTRO 1UF 50WV CERAMIC 0.022UF		
C710		*	C90-3253-05	ELECTRO 1UF 50WV		
X702			L77-1176-05	CRYSTAL RESONATOR(4.1943M)		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

7: KRX-793

5: KRX-593

⚠ indicates safety critical components.

KRX-593/793

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
S701-729			S40-1064-05	PUSH SWITCH KEY BOARD		
D701-710			1SS133	DIODE	M KP M	
D701-717			1SS133	DIODE		
D712-717			1SS133	DIODE		
D724, 725			RD8.2ES(B2)	ZENER DIODE		
Q701		*	UPD75208CW-B49	IC(MICROPROCESSOR)		
Q703			2SC1740S(Q,R)	TRANSISTOR		
Z701			CF1155C	INDICATOR TUBE		
Q702			W02-1153-05	ELECTRIC CIRCUIT MODULE		
REC/PLAY UNIT (X28-2510-10)						
C301, 302			C91-0745-05	CERAMIC 100PF K		
C303, 304			C91-0755-05	CERAMIC 680PF K		
C305, 306			CE04KW1A101M	ELECTRO 100UF 10WV		
C307-310			C91-0752-05	CERAMIC 390PF K		
C311, 312			CF92FV1H103J	MF 0.010UF J		
C313, 314			CE04KW1H100M	ELECTRO 10UF 50WV		
C315, 316			CF92FV1H823J	MF 0.082UF J		
C317			CE04KW1A101M	ELECTRO 100UF 10WV		
C319, 320			CF92FV1H222J	MF 2200PF J		
C321			CE04KW1C470M	ELECTRO 47UF 16WV		
C323, 324			CE04KW1HR22M	ELECTRO 0.22UF 50WV		
C325, 326			CE04KW1H100M	ELECTRO 10UF 50WV		
C327, 328			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C329, 330			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C331			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C332			CE04KW1C220M	ELECTRO 22UF 16WV		
C333			CE04KW1C101M	ELECTRO 100UF 16WV		
C334			CE04KW1C331M	ELECTRO 330UF 16WV		
C335, 336			CE04KW1HR22M	ELECTRO 0.22UF 50WV		
C337, 338			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C339, 340			CE04KW1A101M	ELECTRO 100UF 10WV		
C341, 342			CE04KW1H100M	ELECTRO 10UF 50WV		
C346, 347			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C348			CE04KW1H100M	ELECTRO 10UF 50WV		
C349, 350			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C351, 352			CC45FSL1H101J	CERAMIC 100PF J		
C353, 354			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C355, 356			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C357, 358			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C359, 360			CE04KW1H100M	ELECTRO 10UF 50WV		
C361, 362			C91-0755-05	CERAMIC 680PF K		
C363, 364			CC45FSL1H220J	CERAMIC 22PF J		
C365, 366			C91-0745-05	CERAMIC 100PF K		
C367			C91-0700-05	CERAMIC 0.1UF J		
C401, 402			CK45FB1H221K	CERAMIC 220PF K		
C403, 404			CE04KW1H100M	ELECTRO 10UF 50WV		
C405-408			CK45FB1H221K	CERAMIC 220PF K		
C409, 410			CE04KW1A470M	ELECTRO 47UF 10WV		
C411, 412			CF92FV1H123J	MF 0.012UF J		
C413, 414			CF92FV1H332J	MF 3300PF J		
C415, 416			CE04KW1H100M	ELECTRO 10UF 50WV		
C417, 418			CE04KW1C470M	ELECTRO 47UF 16WV		
C419, 420			CE04KW1A101M	ELECTRO 100UF 10WV		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFLS(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C421 C423, 424 C425-430 C431, 432 C433			CK45FB1H221K CE04KW1C470M CE04KW1H100M CK45FB1H821K CF92FV1H332J	CERAMIC 220PF K ELECTRO 47UF 16WV ELECTRO 10UF 50WV CERAMIC 820PF K MF 3300PF J		
C434 C435 C436 C437 C438			CE04KW1H100M CE04KW1C101M CF92FV1H104J CE04KW1H010M CK45FB1H221K	ELECTRO 10UF 50WV ELECTRO 100UF 16WV MF 0.10UF J ELECTRO 1.0UF 50WV CERAMIC 220PF K		
C439 C440-442 C443 C444 C445			CE04KW1H010M CE04KW1H100M CE04KW1H4R7M CE04KW1C220M CE04HW1H3R3M	ELECTRO 1.0UF 50WV ELECTRO 10UF 50WV ELECTRO 4.7UF 50WV ELECTRO 22UF 16WV NP-ELEC 3.3UF 50WV		
C446 C457 C458 C459 C460			CE04KW1H100M CK45FB1H221K CK45FF1H103Z CK45FF1H223Z CE04HW1H3R3M	ELECTRO 10UF 50WV CERAMIC 220PF K CERAMIC 0.010UF Z CERAMIC 0.022UF Z NP-ELEC 3.3UF 50WV		
C461, 462 C463, 464 C801 C802 C803			C91-0757-05 C91-0751-05 CE04KW1H100M CE04KW1H010M CE04KW1H2R2M	CERAMIC 1000PF K CERAMIC 330PF K ELECTRO 10UF 50WV ELECTRO 1.0UF 50WV ELECTRO 2.2UF 50WV		
C804 C805, 806 C807 C808 C809			CE04KW1C101M CF92FV1H103J CF92FV1H224J CQ93HP2A103J CQ93HP2A102J	ELECTRO 100UF 16WV MF 0.010UF J MF 0.22UF J MYLAR 0.010UF J MYLAR 1000PF J		
C810 C811, 812 C901 C903 C904			CK45FF1H103Z CK45FB1H221K CE04KW1H010M CE04KW1A101M CK45FF1H103Z	CERAMIC 0.010UF Z CERAMIC 220PF K ELECTRO 1.0UF 50WV ELECTRO 100UF 10WV CERAMIC 0.010UF Z		
C905 C906, 907 C908, 909 C910, 911 C912			CE04KW1H0R1M CK45FB1H221K CK45FF1H103Z CK45FF1H223Z CE04HW1H4R7M	ELECTRO 0.1UF 50WV CERAMIC 220PF K CERAMIC 0.010UF Z CERAMIC 0.022UF Z NP-ELEC 4.7UF 50WV		
C913, 914			CK45FB1H102K	CERAMIC 1000PF K		
J401 J402 J403 J404			E63-0008-05 E63-0009-05 E63-0008-05 E11-0188-05	PHONE JACK PHONE PHONE JACK CD,AUX/VIDEO,AD OUT PHONE JACK ADAPTOR IN MINIATURE PHONE JACK SYNCHRO		
670	2E		J19-3331-05	UNIT HOLDER		
L801, 802 L803 L901 X901		*	L39-1320-05 L32-0558-05 L40-1001-17 L78-0267-05	TRAP COIL BIAS OSCILATING COIL SMALL FIXED INDUCTOR(10UH,K) RESONATOR 4.194MHz		
CP901 CP902 CP903		*	R90-0487-05 R90-0819-05 R90-0908-05	MULTI-COMP 47KX4 J 1/6W MULTI-COMP 47KX6 J 1/6W MULTIPLE RESISTOR		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

A indicates safety critical components.

KRX-593/793

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
Q321,322 Q323,324 Q325 Q326-329 Q401,402			2SJ103(Y) DTC124TS DTA124ES 2SC1740S(Q,R) 2SD1302(S,T)	FET DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
Q403 Q406 Q407 Q408,409 Q410			DTC124ES 2SC1740S(Q,R) 2SA933S(Q,R) 2SD1302(S,T) 2SA933S(Q,R)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q411,412 Q801 Q802 Q803 Q804			2SD1302(S,T) DTC124ES 2SD863 DTC343TS 2SD863	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q805 Q806,807 Q906,907 Q908,909 Q910			2SA933S(Q,R) 2SC1845(F,E) 2SC3246 DTC124ES 2SA933S(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR		
Q911 Q912,913 Q914 Q915 Q916			DTC124ES 2SC3246 DTC124ES 2SA933S(Q,R) 2SC1740S(Q,R)	DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR		
Q917 Q918 Q919,920 Q921 Q922			DTA124ES 2SC1740S(Q,R) DTC124ES 2SA933S(Q,R) DTA124ES	DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
CASSETTE MECHANISM ASS'Y (A: D40-1211-05 B: D40-1212-05)						
301 302 305 306 308	2A 1B 1C 2C 2B	*	A10-2922-08 A11-0754-08 D01-0138-08 D01-0139-08 D10-3210-08	HEAD CHASSIS CALKED ASSY BASE CHASSIS ASSY FLYWHEEL ASSY LEFT FLYWHEEL ASSY RIGHT SHIFT LEVER		
309 310 310 312 313	2A 2B 2A 1B 1A		D10-3211-08 D10-3212-08 D10-3220-08 D10-3214-08 D10-3215-08	PLAY SHIFT LEVER INTER LOCK LEVER INTER LOCK LEVER FR ARM PLAY ARM	RIGHT LEFT	A B
314 315 316 317 319	1C 2B 2B 1C 1B		D10-3216-08 D10-3217-08 D10-3218-08 D10-3219-08 D13-0965-08	SHIFT SELECT LEVER TRIGGER ARM SELECT ARM BRAKE ARM CLUTCH GEAR		
320 321 322 323 324	1B 1B 1B, 2B 2C 1A		D13-0966-08 D13-0967-08 D13-0968-08 D13-0970-08 D13-0974-08	REW GEAR FR GEAR REEL GEAR PLAY CAM GEAR PLAY GEAR ASSY		
325 326 329 330	2A 2A 2B 1C		D13-0981-08 D13-0982-08 D19-0270-18 D19-0273-08	ROTATION GEAR RETURN GEAR REEL CAP CLUTCH PULLEY ASSY		

L:Scandinavia

K:USA

P:Canada

Y:PX(Far East, Hawaii)

T:England

E:Europe

Y:AAFES(Europe)

X:Australia

M:Other Areas

A: A MECHA

B: B MECHA

⚠ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
CP904 CP905 CP906 R958 VR301-304		*	R90-0874-05 R90-0804-05 R90-0908-05 RS14KB3D820J R12-1069-05	MULTI-COMP 470PX9 J MULTI-COMP 47KX8 J 1/4W MULTIPLE RESISTOR FL-PROOF RS 82 J 2W TRIMMING POT.(4.7K)PLAY LEVEL		
VR305,306 VR401 VR402 VR801,802 VR901		*	R12-3097-05 R29-5078-05 R05-5056-05 R12-5046-05 R12-1067-05	TRIMMING POT.(22K) REC LEVEL POTENTIOMETER VOLUME POTENTIOMETER BALANCE TRIMMING POT.(100K)BIAS TRIMMING POT.(2.2K)HI SPEED B		
VR902 VR903 VR904			R12-1069-05 R12-1067-05 R12-1069-05	TRIMMING POT.(4.7K)NOR SPEED B TRIMMING POT.(2.2K)HI SPEED A TRIMMING POT.(4.7K)NOR SPEED A		
S801			S31-2095-05	SLIDE SWITCH BEAT CANCEL		
D301 D302-304 D306-310 D311-314 D315,316			RD8.2JS(B2) 1SS133 1SS133 1SS131 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE		
D401,402 D403,404 D405,406 D407 D408-423			RD8.2ES(B2) RD6.8ES(B2) 1SS133 RD5.1ES(B2) 1SS133	ZENER DIODE ZENER DIODE DIODE ZENER DIODE DIODE		
D425,426 D801,802 D929-932 D933,934 D935-937			RD30ES(B) 1SS133 1SS133 S5688B 1SS133	ZENER DIODE DIODE DIODE DIODE DIODE		
D938,939 D940 D943-948 D949 IC301		*	S5688B 1SS133 1SS133 RD4.3ES(B3) LA3246	DIODE DIODE DIODE DIODE IC(PREAMP X2)		
IC302 IC303 IC304 IC305 IC306			HA12136A CXA1198AP XRU4051B TC9213P BA15218	IC(DOLBY B NR SYSTEM) IC(CASSETTE DECK REC EQUALIZER) IC(MULTIPLEXER/DEMULTIPLEXER) IC(2CH ELECTRONIC VOLUME) IC(OP AMP X2)		
IC401 IC402 IC403 IC404 IC405			UPC4570C-A XRU4052B TC9215P NJM4565L-D BA15218	IC(OP AMP X2) IC(MULTIPLEXER/DEMULTIPLEXER) IC(ANALOG SWITCH X 6) IC(OP AMP X2) IC(OP AMP X2)		
IC901 IC902 Q301-304 Q305,306 Q307-310		*	UPD75112CW-184 TA8409S DTC114TS 2SC1740S(Q,R) DTC143TS	IC IC(MOTOR CONTROL) DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR		
Q311,312 Q313-315 Q316 Q317,318 Q319,320			DTC124ES DTC124TS DTC124ES 2SC1740S(Q,R) 2SK373(Y)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR FET		

L:Scandinavia

Y:PX(Far East, Hawaii)

Y:AAFES(Europe)

K:USA

T:England

X:Australia

P:Canada

E:Europe

M:Other Areas

△ indicates safety critical components.

KRX-593/793

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
332	2B		D23-0269-08	HOUSING ASSY RIGHT		
333	1A		D23-0270-08	HOUSING ASSY LEFT		
335	1C		E35-0264-08	MOTOR WIRE		
336	1C		E35-0356-08	FLAT WIRE 15P		A
336	1C		E35-0358-08	FLAT WIRE 15P		B
337	2C		E35-0357-08	HEAD WIRE 3P		A
337	2C	*	E35-0359-08	HEAD WIRE 8P		B
338	1C		E40-4244-05	PIN CONNECTOR		
340	2A		G01-3428-08	RETURN GEAR SPRING		
341	1B		G01-3429-08	REEL SPRING		
342	1C		G01-3431-08	CLUTCH ARM SPRING		
343	1A		G01-3432-08	PLAY ARM SPRING		
344	1C		G01-3433-08	SHIFT SELECT LEVER SPRING		
345	2C		G01-3434-08	TRIGGER ARM SPRING		
346	2B		G01-3435-08	SHIFT LEVER SPRING		
347	2A		G01-3436-08	HEAD CHASSIS SPRING		
348	2B		G01-3437-08	PINCH ROLLER ARM SPRING RIGHT		
349	1A		G01-3438-08	PINCH ROLLER ARM SPRING LEFT		
350	1C		G01-3439-08	BRAKE ARM SPRING		
351	2A		G01-3440-08	INTER LOCK LEVER SPRING RIGHT		A
351	2A		G01-3441-08	INTER LOCK LEVER SPRING LEFT		B
353	1B		G02-0913-08	PACK LOCK FLAT SPRING		
354	2A		G02-0994-08	AZIMUTH SPRING		
355	2A		G11-2117-08	HEAD WIRE CLAMPER		
356	1B		G16-0780-08	REFLECT SEAL		
357	2A		G16-0786-08	INSULATING SHEET		
358	2A	*	J21-5789-08	HEAD PLATE ASSY		
360	2A		J31-0850-08	RETURN GEAR COLLAR		
362	2B		J42-0183-08	REEL CAP BUSHING		
363	2A	*	J90-0679-08	TAPE GUIDE LEFT		
364	2A		J90-0680-08	CASSETTE GUIDE		
366	2A, 2B		N09-2871-08	TAPPING SCREW M2X6		
367	2A		N09-2872-08	TAPPING SCREW M1.7X8		
368	2A	*	N09-2873-08	WASHER HEAD SCREW M2X6		
369	2A		N09-2876-08	HEAD SCREW		
370	2A, 2B		N09-2877-08	TAP TITE SCREW M2X4		
371	2A	*	N09-2883-08	AZIMUTH SCREW		
372	1B		N19-1224-08	FLAT WASHER /4.1X6.5X0.25		
373	1C		N19-1225-08	FLAT WASHER /2.1X4.0X0.25		
374	1B		N19-1285-08	FLAT WASHER /1.6X3.0X0.13		
375	2C		N19-1286-08	FLAT WASHER /2.3X4.0X0.25		
376	2A		N19-1287-08	FLAT WASHER /3.5X6.5X0.5		
377	1A		N19-1288-08	FLAT WASHER /1.65X5.0X0.5		
378	2B		N19-1289-08	FLAT WASHER /1.8X6.0X0.5		
379	1B		N35-2604-46	BINDING HEAD MACHINE SCREW		
385	1C		S74-0006-08	LEAF SWITCH (REC, METAL, Cr02)		
386	1C		S74-0007-08	LEAF SWITCH (PACK DETECT)		
388	2B	*	T94-0226-08	SOLENOID ASSY		
390	1C		W02-1130-08	ELECTRIC UNIT		
BM	1C		D16-0326-08	MAIN BELT		
PF	2B		D14-0341-08	PINCH ROLLER ASSY		
PR	2A		D14-0340-08	PINCH ROLLER ASSY		
MM	1B		T42-0608-08	DC MOTOR ASSY		
PH	2A		T31-0066-08	PLAYBACK HEAD		A

L:Scandinavia

K:USA

P:Canada

A: A MECHA

Y:PX(Far East, Hawaii)

T:England

E:Europe

B: B MECHA

Y:AAFES(Europe)

X:Australia

M:Other Areas

△ indicates safety critical components.

PARTS LIST

× New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
RPEH	2A		T39-0020-08	REC/PLAYBACK/ERASE HEAD		B
PH1	1C		NJL5165K	PHOTO REFLECTOR		
R3			RD14BB2C152J	RD 1.5K J 1/6W		

L:Scandinavia

Y:PX(Far East, Hawaii)

Y:AAFES(Europe)

K:USA

T:England

X:Australia


P:Canada

E:Europe

M:Other Areas

A: A MECHA

B: B MECHA

 indicates safety critical components.

KRX-593/793

SPECIFICATIONS

Amplifier section

Rated power output for the KRX-793
(For the U.S.A. and Canada)

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20,000 Hz with no more than 0.9% total harmonic distortion. (FTC)

(For other countries)

(IHF '66) From 40 Hz to 20,000 Hz,
0.9 % T.H.D. at 8 Ω 80 W + 80 W
1 KHz, 0.9 % T.H.D. at 8 Ω 90 W + 90 W

Rated power output for the KRX-593

50 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20,000 Hz with no more than 0.9% total harmonic distortion. (FTC)

Total harmonic distortion
at 1/2 rated power 0.05 %

Signal to noise ratio
PHONO (MM) 70 dB
CD, VIDEO 100 dB

Input sensitivity/Impedance
PHONO (MM) 2.5 mV/47 k Ω
CD, VIDEO 200 mV/33 k Ω

Tuner section

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity
(IHF at 75 Ω) 0.95 μ V/10.8 dBf

Total harmonic distortion (at 1 kHz, 65 dBf input)
MONO 0.4 %

Signal to noise ratio (at 1 kHz, 65 dBf input)
MONO 78 dB
STEREO 68 dB

Stereo separation (at 1 kHz) 40 dB

Frequency response
(30 Hz to 15 kHz) +1.0 dB, -2.0 dB

AM tuner section

Tuning frequency range

9 kHz step 531 kHz ~ 1,602 kHz

10 kHz step 530 kHz ~ 1,610 kHz

For U.S.A. and Canada model

..... 530 kHz ~ 1,700 kHz

Usable sensitivity 14 μ V/(500 μ V/m)

Cassette deck section

Type 4 track 2 channel stereo

Heads

Playback/Record head (Deck B) 1

Playback head (Deck A) 1

Erasing head (Deck B) 1

Motors 1 (each deck)

Fast winding time

(Deck A) Approx. 110 seconds with C-60 tape

Frequency response (Deck B)

Normal tape 30 Hz to 16,000 Hz, \pm 3 dB

CrO₂ tape 30 Hz to 17,000 Hz, \pm 3 dB

Signal to noise ratio

DOLBY NR ON 62 dB (Normal tape)

DOLBY NR OFF 55 dB (Normal tape)

Wow and flutter 0.08 % (W.R.M.S.)

General

Power consumption for the KRX-793

For the U.S.A. and Canada 200 W

For other countries 200 W (IEC)

Power consumption for the KRX-593

For the U.S.A. and Canada 130 W

For other countries 130 W (IEC)

AC outlets

For U.S.A. and Canada

SWITCHED 2 (200 W, 1.6 A max)

For other countries

SWITCHED 2 (200 W max.)

Dimension W: 440 mm (17-5/16")

H: 343 mm (13-1/2")

D: 290 mm (11-7/16")

Weight (net) 12.0 kg (26.4 lb)

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice. DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

KENWOOD CORPORATION

Alive Mitake, 2-5, 1-chome Shibuya, Shibuya-ku, Tokyo 150, Japan

KENWOOD U.S.A. CORPORATION

CONSUMER ELECTRONICS GROUP

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90810 U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 Plaza Chase, Cl. 47 y Aquilino de la Guardia, Panama, Republic de Panama

TRIO-KENWOOD U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts, WD1 8EB United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418 B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 6056 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD LINEAR S.p.A.

20125, Milano-Via Arbe, 50, Italy

KENWOOD ESPAÑA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)

P.O. BOX 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37 Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T. Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD

No. 1 Genting Lane # 07-00, Singapore, 1334